

## MSP Metro Workforce Report

May 3 - 9, 2020

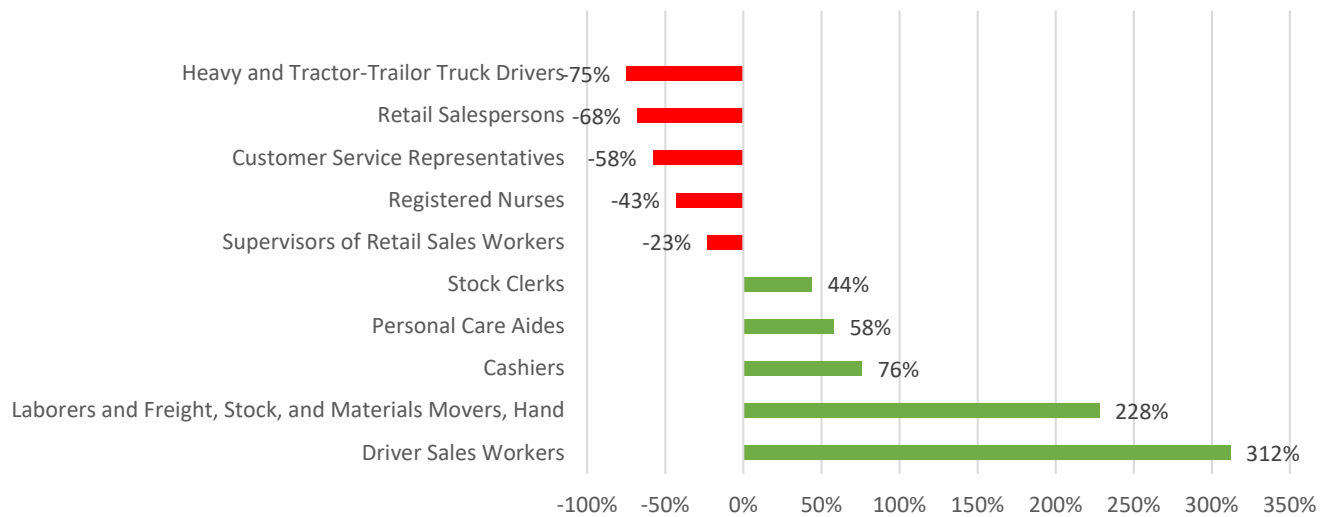
Each week, RealTime Talent highlights the critical needs of employers in the **7-County Minneapolis-Saint Paul Metro (MSP)** by lifting up the top jobs, skills, and certifications advertised by employers,<sup>1</sup> as well as the top locations that employers are advertising openings aligned with five of the region’s most critical sectors. Each sector is comprised of a family of like-occupations that from a function and career pathway standpoint are related to one-another.<sup>2</sup> These reports focus on jobs that require an **Associate’s degree or less**, and include an in-depth analysis on one occupation each week that is high-demand, high-opportunity, and high-growth.

In the second half of this report, we highlight an occupation in demand: **Junior Software Developers**. Read on for details on job posting trends, wages, and more.

Top New Jobs Posted in the Region by Volume, May 3-9, 2020 (AA/AS or less required)				
Healthcare	Information Technology	Finance	Government	Manufacturing
<b>18%</b> ↘	<b>11%</b> ↗	<b>18%</b> ↘	<b>36%</b> ↗	<b>121%</b> ↗
Personal Care Aides ↘	Web Developers ↘	Cashiers ↘	Construction Laborers	Laborers and Freight, Stock and Materials Movers ↗
Registered Nurses ↘	Computer User Support Specialists ↗	Insurance Sales Agents ↗	Maintenance and Repair Workers ↗	Electronics Engineering Technicians ↗
Nursing Assistants ↘	Electronics Engineering Technicians ↗	Loan Interviewers and Clerks ↘	Construction and Related Workers, Other	Industrial Engineering Technicians ↘
Licensed Practical Nurses ↘	Data Entry Keyers ↘	Bookkeeping, Accounting, and Auditing Clerks ↘	Correctional Officers and Jailers	Industrial Machinery Mechanics ↗
Home Health Aides ↘	Network and Computer Systems Administrators ↘	Bill and Account Collectors ↗	Bookkeeping, Accounting, and Auditing Clerks	Packers and Packagers ↗
Medical Secretaries ↗	Software Developers, Applications ↗	Sales Agents, Financial Services ↘	Coaches and Scouts	Industrial Production Managers ↗
Pharmacy Technicians ↘		Payroll and Timekeeping Clerks ↘	Cooks, Institution and Cafeteria	Chemical Technicians ↘
Critical Care Nurses ↗				

Arrow indicates directional change from prior week. If job posting growth or decline was less than 1%, no trend is indicated.

New Job Opening Growth or Decline for High-Volume Postings Requiring an AA or Less in the 7-County MSP Metro, May 3-9, 2020 (% change from prior year)



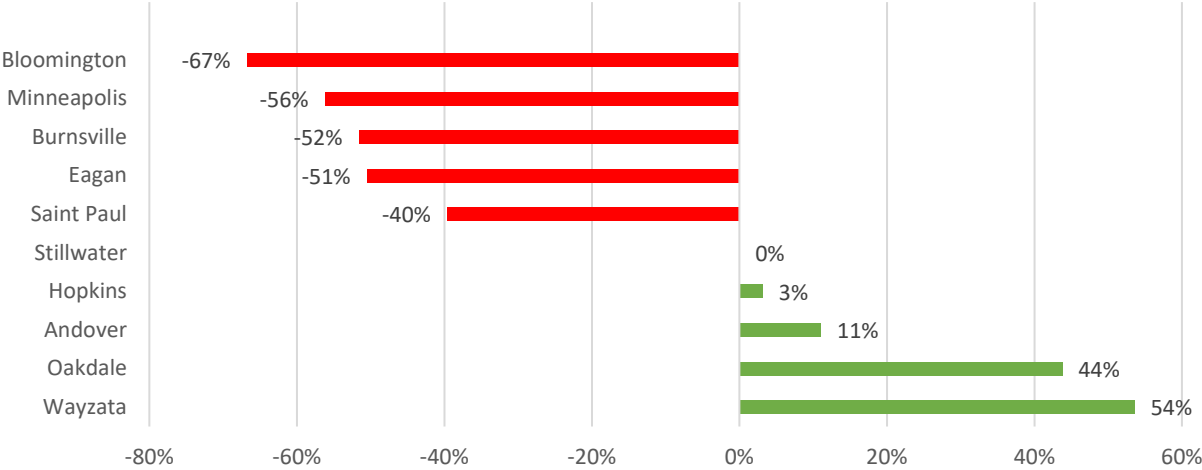
Top Employers Advertising New Jobs in the Region by Volume, May 3-9, 2020 (AA/AS or less required)				
Healthcare	Information Technology	Finance	Government	Manufacturing
The Mentor Network ↗	Robert Half International ↘	Robert Half International ↘	MN Department of Transportation	FedEx ↗
REM Hennepin, Inc. ↘	Kelly Services ↗	Home Depot ↗	State of Minnesota ↗	Amazon ↘
Fairview Health Services ↘	NTT DATA ↘	United Natural Foods, Inc. ↘	Eastern Carver County School District ↗	Post Holdings ↗
HealthEast Care System ↗	CyberCoders ↗	Symmetry Financial Group ↗	MN Department of Corrections ↗	Integrity Staffing ↗
Home Instead ↗	Randstad ↗	Cub Foods ↘	City of Shoreview	Aerotek ↘
Interim Healthcare ↗	Apex Systems, Inc. ↗	Accountemps ↘	Scott County	Poly-America
CASSIA ↗	Collabera ↗	Old National Bank ↗	Anoka County Community Action Program ↘	Randstad ↗
Benedictine Health System ↗	UnitedHealth Group ↗	Pyramid Consulting, Inc. ↗	US Department of Veterans Affairs	V2Soft
Sholom ↗	Primus Global Services ↗	CUB ↘	Ramsey County	Twin Cities Staffing
Sunrise Senior Living ↘	Accountemps ↗	BCforward ↗		WSB & Associate
				Lowe's ↗
				Medtronic ↗

Arrow indicates directional change from prior week. If job posting growth or decline was less than 1%, no trend is indicated.

Top Cities New Jobs Posted in the Region by Volume, May 3-9, 2020 (AA/AS or less required)				
Healthcare	Information Technology	Finance	Government	Manufacturing
Minneapolis ↘	Minneapolis ↘	Minneapolis ↘	Minneapolis ↘	Minneapolis ↗
Saint Paul ↘	Saint Paul ↘	Saint Paul ↗	Chaska ↘	Saint Paul ↗
Maplewood ↗	Eden Prairie ↘	Hopkins ↗	Rosemount ↗	Champlin ↗
Saint Louis Park ↗	Eagan ↗	Eagan ↗	Mendota Heights	Hopkins ↗
Maple Grove ↗	Richfield ↘	Burnsville ↗	Oakdale ↗	Loretto ↗
Edina ↘	Shoreview ↗	Bloomington ↗	Golden Valley ↗	Rogers ↗
Andover ↗	Brooklyn Center ↗	Eden Prairie ↗	Eden Prairie	Medina ↗
Eagan ↗	Minnetonka ↘	Saint Louis Park ↘	Shoreview ↘	Anoka ↗
Burnsville ↘	Bloomington ↗	Cottage Grove ↘	Oak Park Heights	Dayton ↗
Roseville ↗	Fridley ↗	Plymouth ↘	Saint Paul ↘	Osseo ↗

Arrow indicates directional change from prior week. If job posting growth or decline was less than 1%, no trend is indicated.

New Job Opening Growth or Decline in 7-County MSP Metro Cities with High-Volumes of Postings Requiring an AA or Less, May 3-9, 2020 (% change from prior year)



**Top Essential Skills Required in New Jobs Posted in the Region by Volume, May 3-9, 2020 (AA/AS or less required)**

Healthcare	Information Technology	Finance	Government	Manufacturing
Dedication ↘	Communication ↗	Customer Service ↘	Dedication ↘	Dedication ↗
Scheduling ↘	Troubleshooting ↗	Monitoring ↗	Supervision ↘	Sorting ↗
Compassion ↘	Design ↗	Communication ↘	Work-Related Travel ↘	Responsibility ↗
Caregiving ↘	Responsibility ↗	Friendliness ↗	Friendliness ↘	Carrying ↗
Flexibility ↘	Written Communications ↗	Supervision ↗	Cultural Responsiveness ↘	Bending ↗
Communication ↗	Dedication ↗	Writing ↘	Relationships ↗	Dependability ↘

Arrow indicates directional change from prior week. If job posting growth or decline was less than 1%, no trend is indicated.

**Top Certifications Required in New Jobs Posted in the Region by Volume, May 3-9, 2020 (AA/AS or less required)**

Healthcare	Information Technology	Finance	Government	Manufacturing
Direct Support Professional	Security Clearance	State Insurance License	Class D Driver's License	American Concrete Institute
Certified Registered Nurse	A+ Certification	Nationwide Mortgage License	Tanker and HAZMAT Endorsement	Safe Quality Food
Licensed Practical Nurse	Project Management Professional	Property and Casualty Insurance	Class B Commercial Driver's License	HAZMAT
CPR Certification	Redux	Loan Guaranty Certificate	Pharmacy Technician	Forklift Certification
Certified Practical Nurse – Long-term Care	Secret Security Clearance	Debt Consolidation	Sterile Products	Commercial Driver's License
Certified Long-Term Care	Cisco Certified Network Associate	Accounting (CPA)		Secret Security Clearance
Hospice and Palliative Care	Career Readiness Certificate	Certified Payroll Professional		FDA Quality Systems

Top Hard Skills Required for the Top Occupation in Each Sector by Volume of New Jobs Posted in the Region, May 3-9, 2020 (AA/AS or less required)				
Healthcare Personal Care Aides	Information Technology Web Developers	Finance Cashiers	Government Construction Laborers	Manufacturing Laborers
Administering Medication ↗	JavaScript ↘	Cashiering ↘	Bridge Construction	Shipping ↘
Public Health ↗	CSS ↘	Self Checkout ↗	Mechanical Engineering	Warehousing ↘
COVID-19 ↗	Servers ↗	Point of Sale ↗	Construction Technology	Hand Trucks ↘
Career Development ↗	HTML ↘	Mathematics ↘	Surveying	Logistics ↗
Developmental Disabilities ↗	SQL ↗	Security ↘	Traffic Control	Operations ↗

Arrow indicates directional change from prior week. If job posting growth or decline was less than 1%, no trend is indicated.

1 SOURCE: All data in this section is from new jobs posted online in the 7-county Minneapolis-Saint Paul Metro between May 3-9, 2020. Data includes staffing agencies and represents deduplicated new job posts from all corporate websites and job boards. Trend comparison to a prior period refers to the week immediately prior. All data was gathered from TalentNeuron Recruit, [www.wantedanalytics.com](http://www.wantedanalytics.com) on May 17, 2020.

2 All sectors are defined as job families that are related by skills, competencies, and career pathways, with the exception of Government jobs. The Government sector is identified by city, county, regional, and state government employers.

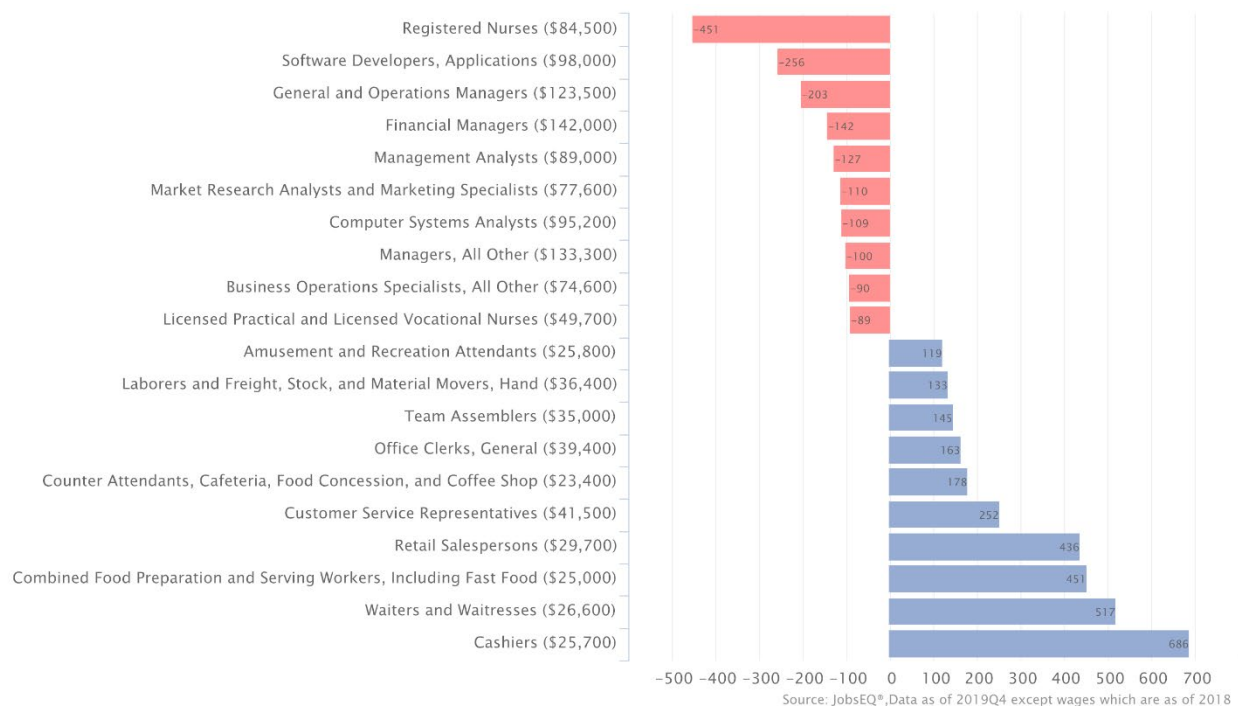
## Occupations in Focus: JUNIOR SOFTWARE DEVELOPERS

Over the next five weeks, RealTime Talent will dig in-depth on the workforce challenges surrounding critical occupations in-demand in the MSP metro region. The first occupation in focus is Junior Software Developers—one of the few IT occupations that has continued to see a consistent number of postings in the MSP Metro in April 2020 compared to April 2019.

Prior to the COVID-19 pandemic, Applications Software Developers was the occupation forecasted to have the second highest baseline shortage of talent in the MSP Metropolitan Area—second only to Registered Nurses.

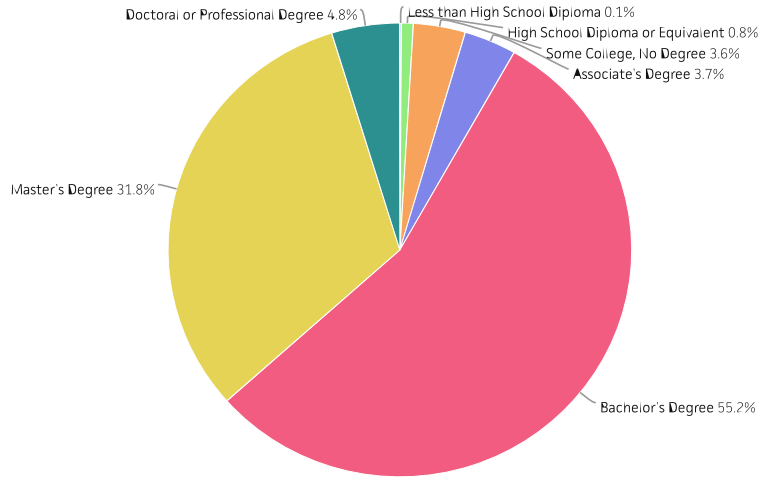
### Top Occupations Expected to See Shortages or Excesses of Talent, 2019Q4 Baseline Forecasts

#### Potential Average Annual Gaps the Next 5 Years



Software Developers create and modify general computer applications software or specialized utility programs, and analyze user needs and develop software solutions. Typically, openings for Software Developers have required a Bachelor’s degree and a minimum of 2 years of related experience. Nationwide, only 8.2% of people employed as Applications Software Developers have an Associate’s degree or less.

## Educational Attainment Profile of Applications Software Developer Employees Nationwide



Source: JobsIQ\*

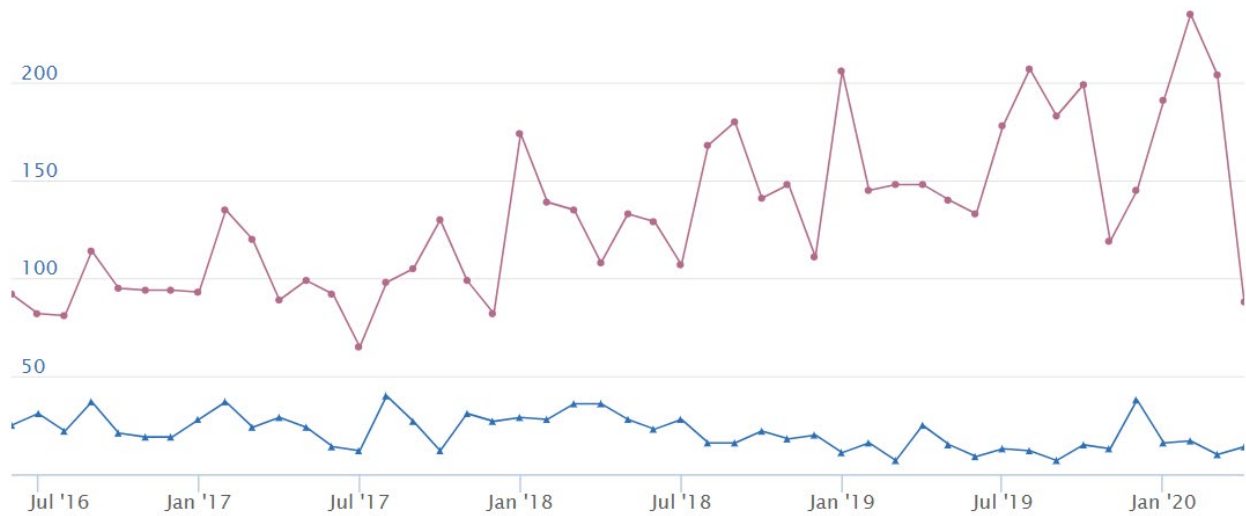
Education and training requirements are from the Bureau of Labor Statistics (BLS); educational attainment mix are regional data modeled by Chmura using Census educational attainment data projected to 2019Q4 along with source data from the BLS.

Despite a record dip in total volume of new Junior Software Developer jobs in April 2020, latent demand from employers may rebound after the economy begins to “reopen.” Across positions advertised on any job board in the region, the volume of deduplicated available<sup>3</sup> Software Developer jobs in the MSP Metro was down only 5% in Jan-April 2020 compared to 2019. Even more surprising, among deduplicated jobs newly posted<sup>4</sup> only on corporate websites or the official job board of MN DEED ([MNWorks](#)), volume of new Applications Software Development jobs requiring 0-2 years of related work experience (610 jobs) were 10% higher in Jan-April 2020 compared to the same period in 2019—and represent nearly 17% of all software developer positions newly posted in the MSP region solely on corporate sites or MNWorks at any experience level (3,544 total jobs).

<sup>3</sup> Available jobs means the position was active on a website during the specified time frame, and may have been posted earlier than the time frame.

<sup>4</sup> Newly posted jobs means that the position was posted for the first time during the period specified.

### Junior Software Developer Jobs Newly Posted in the MSP Metro, 2016-2020



Legend	
Purple:	New Software Developer job postings requiring 0-2 years of experience
Blue:	New Software Developer job postings requiring an AA/AS degree or less (averaging 30-40 new postings each month)

Although job postings by local employers continue to indicate either requirement or preference for Bachelor’s degree talent at a rate consistent with years past, since 2017 a consistent number of positions indicate acceptance of comparable skills or experience in place of a degree (see sample language extracted from active postings on May 15, 2020 by 3 different employers below). Between January and April 2020, there were 687 available positions advertised on corporate websites or MNWorks that would accept equivalent experience or competency in place of a Bachelor’s degree (475 were newly posted in that period); as of May 15, 2020, there were 87 live Applications Software Developer positions live on corporate websites or MNWorks with these flexible requirements—despite the fact that there was only one live position on this day that explicitly described the role as “Junior”—a role at Consultis (Junior to Mid-Level User Interface Engineer - Saint Louis Park, MN <https://www.consultis.com/search-careers/>).



## Sample Applications Software Developer Position Descriptions<sup>5</sup>

### Job Information <sup>^</sup>

Employer CyberCoders  
 Location Saint Paul, MN  
 Occupation Software Developers, Applications  
 WANTED Salary <sup>?</sup> \$99,000 (\$47.60/hr)  
 Job Type <sup>?</sup> Permanent, Full-Time  
 Extracted Education <sup>?</sup> Bachelor's Degree  
 WANTED ID 4342922905

\* Job Information is a composite created from all copies of job ads found for this job.

### Establishment Information

No establishment extracted from this job.

### Contact for this Job <sup>?</sup>

josh.sanchez@cybercoders.com

### Posting History

As seen on: Snag <sup>[1] [2]</sup>, Corporate site, Dice, Monster

Posted 2020-05-06

### Description

Job Description Software Engineer needed for a rapidly growing, reliable microbiome sequencing and analysis company!! We accelerate scientific discoveries by providing innovative and scalable services centered around profiling the trillions of microbes that live in and around us.

We make the best methods available to scientists around the world and across disciplines to help drive medical, agricultural, and ecological breakthroughs.

You will be working on software solutions that facilitate cutting-edge human health and environmental research.

Your work will have an immediate impact on the pace and scale at which breakthroughs can be achieved.

As a Software Engineer, you will contribute to our high-throughput data tracking and analysis applications.

We generate terabytes of genomic data per week and need to ensure efficient and accurate tracking is completed along with quick, accurate, and reproducible data analysis.

By facilitating fast and easy data access for our clients, we expedite advances in scientific knowledge. What You Will Be Doing

- Working in a dynamic software development team following agile methodologies

- Building features (front and back end) for internal data tracking and analysis

- Ensuring data security through best practices and testing

- Maintaining code integrity and organization

- Optimizing existing features for speed, reproducibility and ease of access

- Bachelor's degree in Computer Science, Computer Engineering, engineering discipline, or **equivalent experience**

- 2+ years of professional experience in software development You should know some of the following:

- JavaScript

- Python

- SQL

- NoSQL

- Agile

- Node.js

- Express.js

Link to Live CyberCoders Job: <https://www.cybercoders.com/software-engineer-job-547161>

### Job Information <sup>^</sup>

Employer The Bernard Group  
 Location Chanhassen, MN  
 Occupation Software Developers, Applications  
 WANTED Salary <sup>?</sup> \$141,000 (\$67.79/hr)  
 Job Type <sup>?</sup> Permanent, Full-Time  
 Extracted Education <sup>?</sup> Bachelor's Degree  
 WANTED ID 4311554472

\* Job Information is a composite created from all copies of job ads found for this job.

### Description

Department : Technology Enablement The Bernard Group is looking for a highly skilled Senior Software Engineer to join our team.

In this position, you will design, develop, implement and lead custom software projects.

This is a salaried position that is eligible for performance-based increases as well as a generous benefits package.

A variety of these traits will help land you this job.

If you have:

- a Bachelor's Degree in software engineering or **equivalent experience**

- 5 or more years in building scalable systems from the ground up

- Strong (backend) software engineering skills in either Python, or Java On top of that you must:

- be technically savvy with computer skills, including data management software, and other computer applications.

Must be able to have the mechanical aptitude to comprehend complex instructions and apply that learning to effectively & efficiently analyze and cleanse client data

Link to Live The Bernard Group Job:

<https://thebernardgroup.applytojob.com/apply/j7cMyUZEoB/Senior-Software-Engineer>

<sup>5</sup> "WANTED Salaries" are estimates by TalentNeuron Recruit based on the advertised salaries of similar positions (similar employer, industry, job title, skill/certification/education/experience requirements).

### Job Information \*

Employer  
Location  
Occupation  
  
WANTED Salary ⓘ \$111,000 (\$53.37/hr)  
  
Job Type ⓘ Permanent, Contract, Full-Time  
Extracted Education ⓘ Bachelor's Degree  
WANTED ID 4314539465

\* Job Information is a composite created from all copies of job ads found for this job.

### Establishment Information

No establishment extracted from this job.

### Contact for this Job ⓘ

hrhelp@braunintertec.com

### Posting History

As seen on: US.jobs, JobSpider

Posted 2018-10-26  
Seen 2020-05-13

### Similar Common Job Titles

### Description

Responsibilities:  
\* Work in our Bloomington location with functional and technical teams to perform software customization, development, integration, and support services.

\* Provide technical and functional knowledge of Dynamics AX and related technologies to functional consultants, technical support, and end users  
\* Create technical documentation, including requirements specifications, gap/fit analysis, design specifications, and deployment instructions  
\* Design and develop modifications to the standard Dynamics AX application  
\* Design and develop integration and data migration processes to/from neighboring systems  
\* Design and develop SSRS web-based reports for use within the Dynamics AX environment while recording all work efforts in TFS  
\* provide end-user training and stellar end-user support through the assignment of support tasks via our ITSM ticketing system Required  
Skills:

\* Experience with Dynamics AX 2012 development methodologies  
\* Hands On experience with X++  
\* Hands on experience of C#  
\* Experience with SQL queries  
\* Knowledge and experience with C# development  
\* Knowledge and experience of integrating data via web services a plus  
\* Certification in Dynamics AX Development I,II or III a plus  
\* Experience with AX Management Reporter  
\* Experience with Globe Atlas product is a plus Required Experience:  
\* Experience with Object Oriented Programming, and Java script, .Net, X++ development languages  
\* 2 years of experience with X++  
\* 2 years of experience with C#  
\* Technical and functional knowledge of the Dynamics AX product and supporting Microsoft Technologies including SQL Server, SSRS, SSIS, SharePoint and Visual Studio Pro  
\* Solid understanding of SDLC processes and IT best practices  
\* Bachelor's degree in information systems, computer science, or **equivalent experience** required  
\* Accounting, finance, business and/or mathematics education and experience desirable

Link to Live Braun Intertec Corporation Job:

<https://www.minnesotaworks.net/viewjob.aspx?jobid=11089848>

## Employers Advertising Junior Software Developer Positions on their Corporate Websites Jan-April 2020 (0-2 years of experience and an AA/AS or flexible education requirements)

- Dow Jones & Company Inc.
- SAP
- Target Corporation
- Ivanti
- Apex Systems
- 3M Company
- UnitedHealth Group
- Ecolab
- Cognizant Technology Solutions
- Randstad

Top Technical & Hard Skills in Demand for Junior Software Developer Positions Jan-April 2020	Top Essential Skills in Demand for Junior Software Developer Positions Jan-April 2020
<ul style="list-style-type: none"> <li>• AWS</li> <li>• Integrations</li> <li>• Agile</li> <li>• Automation</li> <li>• DevOps</li> </ul>	<ul style="list-style-type: none"> <li>• Collaboration</li> <li>• Design</li> <li>• Passion</li> <li>• Creativity</li> <li>• Evaluation</li> </ul>

NOTE: Requiring only 0-2 years of experience and an AA/AS or flexible education requirements.

### Other Application Software Developer Labor Market Insights

As of 2019Q4, a total of 15,298 people were employed as Applications Software Developers in the MSP Metro. Over the past three years, this occupation added 1,638 jobs in the region and—according to official forecasts by the Bureau of Labor Statistics—was expected to increase by 2,390 jobs over the next seven years, or at an annual average rate of 2.1%.

Software Developers, Applications in Twin Cities 7-County Metro, 2019Q4<sup>1</sup>

Empl	Avg Ann Wages <sup>2</sup>	Current		Unempl Rate	Online Job Ads <sup>3</sup>	3-Year History		Total Demand	7-Year Official Forecast			Empl Growth	Ann % Growth
		LQ	Unempl			Empl Change	Ann %		Exits	Transfers			
15,298	\$98,000	1.34	183	1.2%	2,228	1,638	3.8%	9,785	1,643	5,751	2,390	2.1%	

Source: JobsEQ®

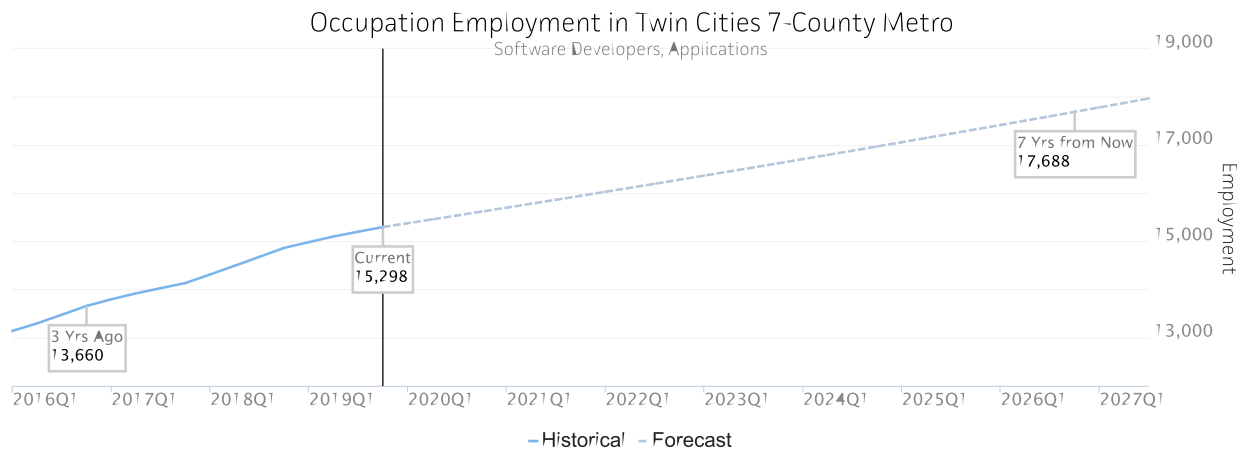
Data as of 2019Q4 unless noted otherwise

Note: Figures may not sum due to rounding.

1. Data based on a four-quarter moving average unless noted otherwise.

2. Wage data are as of 2018 and represent the average for all Covered Employment

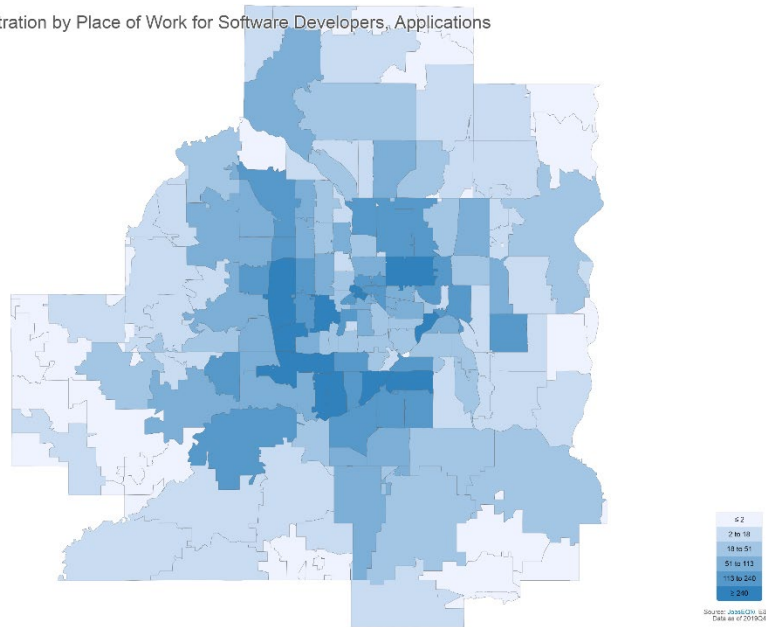
3. Data represent found online ads active within the last thirty days in the selected region; data represents a sampling rather than the complete universe of postings. Ads lacking zip code information but designating a place (city, town, etc.) may be assigned to the zip code with greatest employment in that place for queries in this analytic. Due to alternative county-assignment algorithms, ad counts in this analytic may not match that shown in RTI (nor in the popup window ad list).



Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2019Q2, imputed where necessary with preliminary estimates updated to 2019Q4. Wages by occupation are as of 2018 provided by the BLS and imputed where necessary. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns. Occupation unemployment figures are imputed by Chmura.

The majority of employed Applications Software Developers in the MSP Metro work in the first and second ring suburbs, especially in the zip codes of suburban Hennepin County.

Occupation Concentration by Place of Work for Software Developers, Applications



**Top Zip Codes by Place of Work for Software Developers, Applications, 2019Q4**

Region	Employment
ZCTA 55402	1,055
ZCTA 55343	972
ZCTA 55344	817
ZCTA 55401	493
ZCTA 55431	477
ZCTA 55416	476
ZCTA 55435	396
ZCTA 55415	381
ZCTA 55113	380
ZCTA 55437	358

Software Developers are in-demand across a range of industries from finance to communications, and architecture to manufacturing. Below are the top five industries employing Applications Software Developers and the expected total demand based on official forecasts.

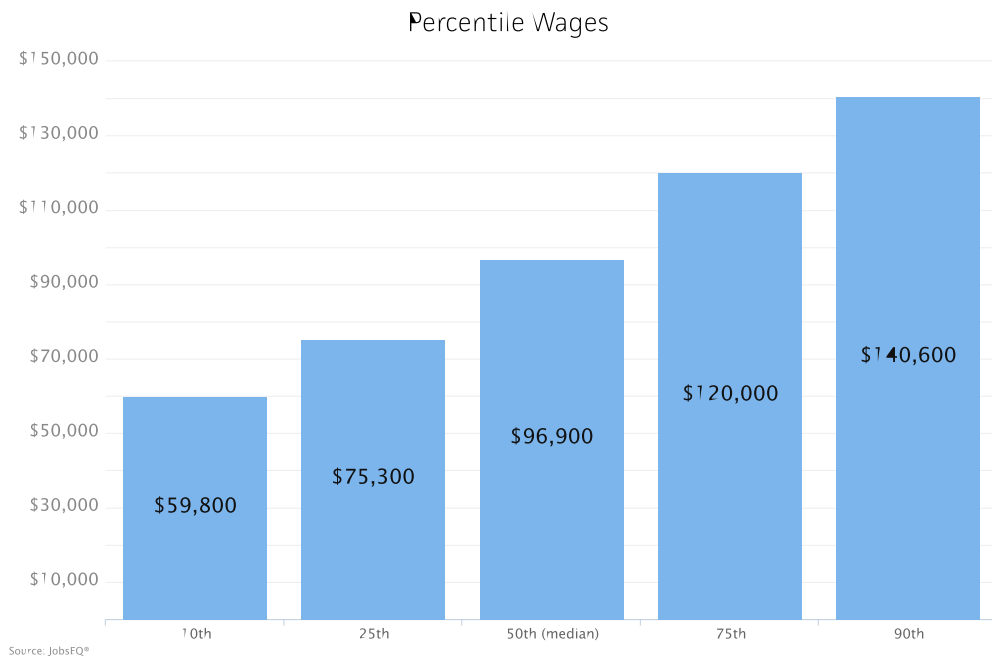
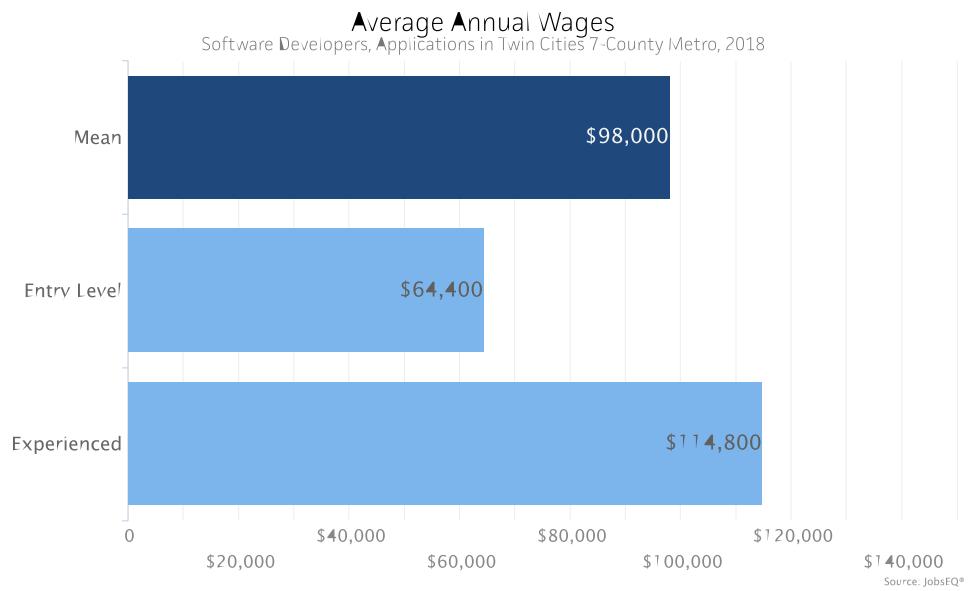
**Top Five Industry Distribution for Software Developers, Applications (15-1132) in the MSP Metro**

NAICS Code	Industry Title	Current			10-Year Demand		
		% of Occ Empl	Empl	Exits	Transfers	Empl Growth	Total Demand
5415	Computer Systems Design and Related Services	29.1%	4,446	718	2,512	1,584	4,814
5511	Management of Companies and Enterprises	10.5%	1,610	240	841	259	1,340
5112	Software Publishers	10.0%	1,529	242	845	458	1,544
5241	Insurance Carriers	5.2%	797	122	425	169	716

**Top Five Industry Distribution for Software Developers, Applications (15-1132) in the MSP Metro**

NAICS Code	Industry Title	Current			10-Year Demand		Total Demand
		% of Occ Empl	Empl	Exits	Transfers	Empl Growth	
3345	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	4.2%	648	91	318	15	423

The average (mean) annual wage for Applications Software Developers was \$98,000 in the MSP Metro as of 2018. For the same year, average entry level wages were approximately \$64,400 compared to an average of \$114,800 for experienced workers.



Occupation wages (mean, median, and percentiles) are as of 2018 provided by the BLS, modified and imputed by Chmura where necessary. Entry-level and experienced wages are derived from these source data, computed by Chmura.

The table below is a list of postsecondary program awards that were granted by postsecondary institutions located in the 7-County MSP Metro in the 2018 academic year. These programs have been identified as providing specific training for Applications Software Developers.

Title/School	Annual Awards - Twin Cities 7-County Metro		
	Certificates and 2yr Degrees	4yr Degrees	Postgraduate Degrees
<b>11.0103 Information Technology</b>			
Argosy University-Twin Cities	2	1	0
Capella University	0	97	4
Metropolitan State University	0	45	21
Minneapolis Community and Technical College	6	0	0
National American University-Bloomington	0	0	0
National American University-Brooklyn Center	0	1	0
National American University-Burnsville	0	1	0
National American University-Roseville	0	0	0
University of St Thomas	0	53	95
<b>11.0104 Informatics</b>			
University of Minnesota-Twin Cities	0	7	5
<b>11.0201 Computer Programming/Programmer, General</b>			
Anoka-Ramsey Community College	0	0	0
Century College	5	0	0
Dakota County Technical College	15	0	0
Hennepin Technical College	0	0	0
Herzing University-Minneapolis	0	1	0
Inver Hills Community College	0	0	0
Metropolitan State University	0	4	0
Minneapolis Business College	13	0	0
Minneapolis Community and Technical College	30	0	0
National American University-Roseville	0	0	0
North Hennepin Community College	83	0	0
Saint Paul College	12	0	0
<b>11.0202 Computer Programming, Specific Applications</b>			
Anoka Technical College	1	0	0
Hennepin Technical College	16	0	0
Minneapolis Community and Technical College	16	0	0
North Hennepin Community College	5	0	0
Saint Paul College	0	0	0
<b>11.0701 Computer Science</b>			
Anoka-Ramsey Community College	14	0	0
Augsburg University	0	24	0
Century College	24	0	0

**Annual Awards - Twin Cities 7-County Metro**

Title/School	Certificates and 2yr		Postgraduate Degrees
	Degrees	4yr Degrees	
Concordia University-Saint Paul	0	11	0
Dunwoody College of Technology	0	3	0
Inver Hills Community College	0	0	0
Metropolitan State University	0	76	9
Normandale Community College	42	0	0
North Hennepin Community College	37	0	0
Saint Paul College	8	0	0
University of Minnesota-Twin Cities	0	349	79
University of Northwestern-St Paul	0	5	0
University of St Thomas	0	31	0
<b>14.0901 Computer Engineering, General</b>			
University of Minnesota-Twin Cities	0	74	26
University of St Thomas	0	7	0
<b>26.1103 Bioinformatics</b>			
University of Minnesota-Twin Cities	0	0	8
<b>51.2706 Medical Informatics</b>			
Capella University	0	53	100
<b>Total</b>			
<b>Total</b>	<b>329</b>	<b>843</b>	<b>347</b>

Source: Awards are per the National Center for Education Statistics (NCES) IPEDS data for the 2018 academic year. Any programs shown here have been identified as being linked with the occupation being analyzed. Other existing programs may also provide training in the region for this occupation but have not been so identified by the program-occupation crosswalk. Furthermore, any programs shown here reflect only data reported to the NCES; reporting is required of all schools participating in any federal finance assistance program authorized by Title IV of the Higher Education Act of 1965, as amended—other training providers in the region that do not report data to the NCES are not reflected in the above.

Report released on 5/19/2020 by RealTime Talent on the INSIGHTS blog at [www.realtimetalent.org](http://www.realtimetalent.org). All data in the first section of this report is from TalentNeuron Recruit, accessed May 17, 2020 at [www.wantedanalytics.com](http://www.wantedanalytics.com). Data from the Occupations in Focus section of this report is from TalentNeuron (job postings) and Jobs EQ, a tool of Chmura Economics, accessed May 15, 2020. Contact Erin Olson, Research Strategist at [erin@realtimetalentmn.org](mailto:erin@realtimetalentmn.org) with any questions or inquiries.