

Occupation Overview

Emsi Q2 2018 Data Set

June 2018



Moscow, Idaho 83843

Parameters

Occupations

Code	Description
15-1132	Software Developers, Applications

Regions

Code	Description
42660	Seattle-Tacoma-Bellevue, WA

Timeframe

2017 - 2018

Datarun

2018.2 - Employees

Software Developers, Applications in Seattle-Tacoma-Bellevue, WA

Software Developers, Applications (SOC 15-1132):

Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency. May analyze and design databases within an application area, working individually or coordinating database development as part of a team. May supervise computer programmers.

Sample of Reported Job Titles:

- Software Developer
- Applications Developer
- .NET Developer
- Software Engineer
- Software Development Engineer
- Information Technology Analyst (IT Analyst)
- Application Integration Engineer
- Technical Consultant
- Software Architect
- Computer Consultant

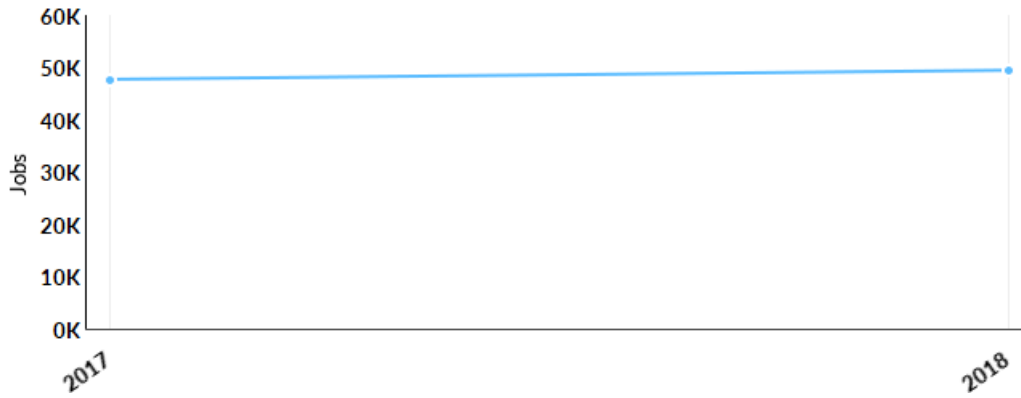
Related O*NET Occupation:
Software Developers, Applications (15-1132.00)

Occupation Summary for Software Developers, Applications

<p>47,701 Jobs (2017) 323% above National average</p>	<p>+3.7% % Change (2017-2018) Nation: +3.6%</p>	<p>\$61.69/hr Median Hourly Earnings Nation: \$48.12/hr</p>
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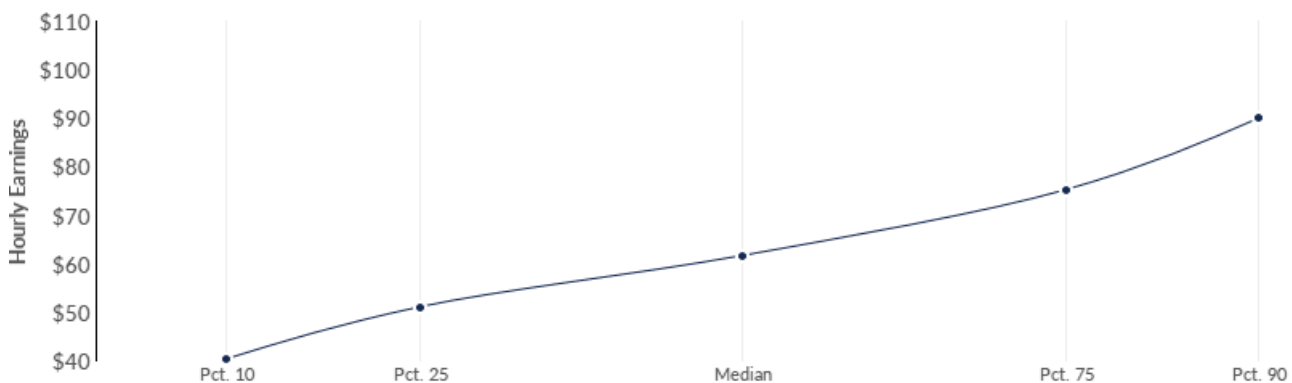
Growth for Software Developers, Applications (15-1132)

47,701 2017 Jobs	49,443 2018 Jobs	1,742 Change (2017-2018)	3.7% % Change (2017-2018)
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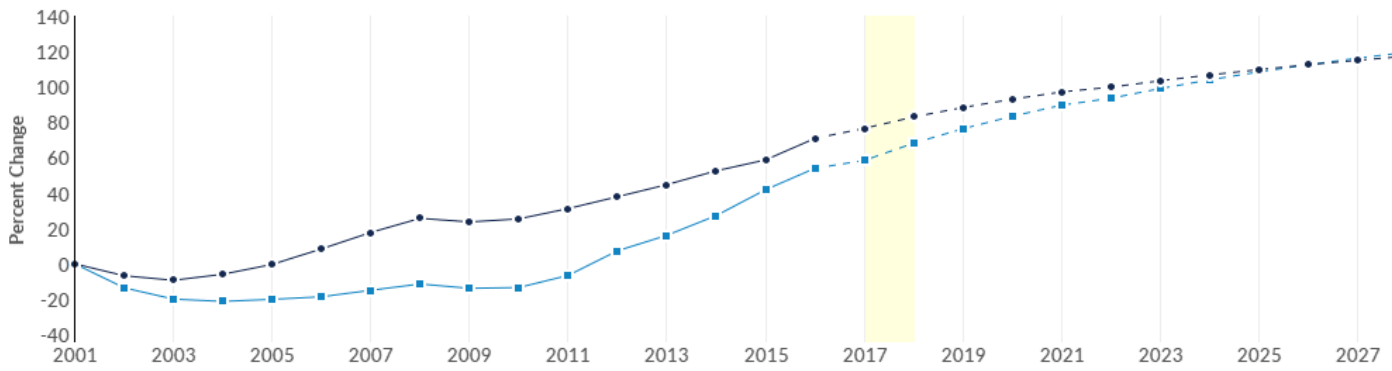


Percentile Earnings for Software Developers, Applications (15-1132)

\$51.08/hr 25th Percentile Earnings	\$61.69/hr Median Earnings	\$75.24/hr 75th Percentile Earnings
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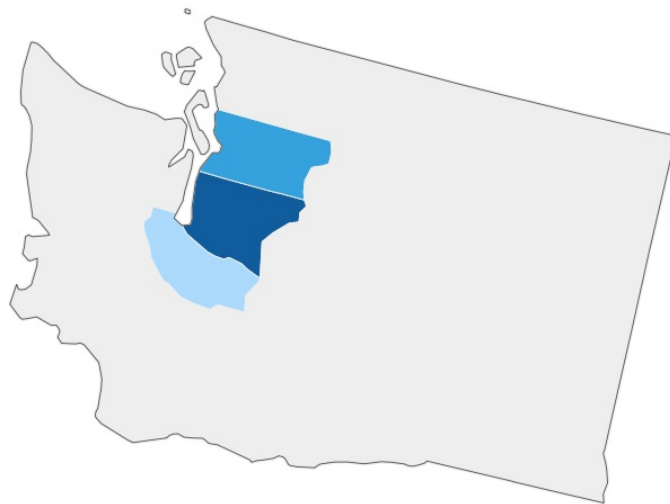


Regional Trends



Region	2017 Jobs	2018 Jobs	Change	% Change
● Region	47,701	49,443	1,742	3.7%
■ San Francisco-Oakland-Hayward, CA	37,566	39,874	2,308	6.1%

Regional Breakdown



County	2018 Jobs
King County, WA	45,326
Snohomish County, WA	3,585
Pierce County, WA	532

Job Postings Summary

<p>48,777</p> <p>Unique Postings</p> <p>277,466 Total Postings</p>	<p>6 : 1</p> <p>Posting Intensity</p> <p>Regional Average: 4 : 1</p>	<p>41 days</p> <p>Median Posting Duration</p> <p>Regional Average: 32 days</p>
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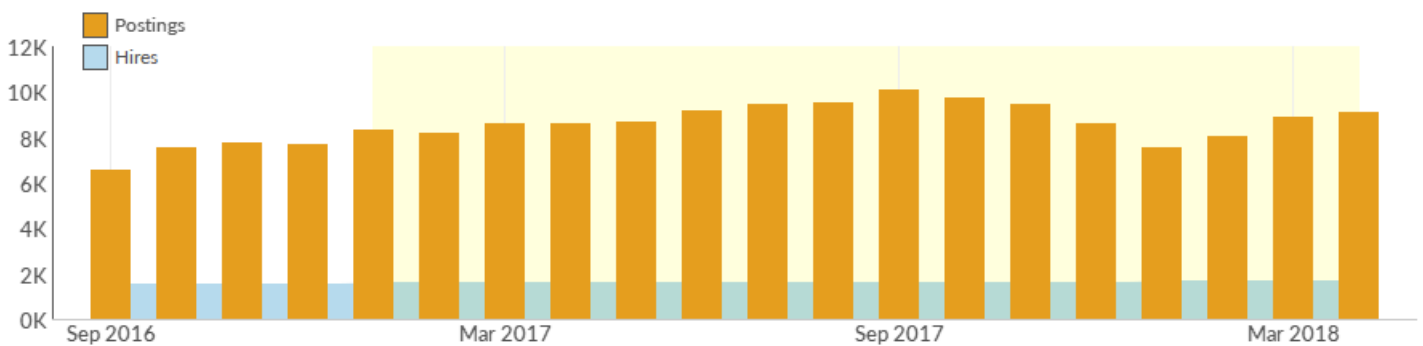
There were 277,466 total job postings for your selection from January 2017 to April 2018, of which 48,777 were unique. These numbers give us a Posting Intensity of 6-to-1, meaning that for every 6 postings there is 1 unique job posting.

This is higher than the Posting Intensity for all other occupations and companies in the region (4-to-1), indicating that they may be trying harder to hire for this position.

Job Postings vs. Hires

<p>8,888</p> <p>Avg. Monthly Postings (Jan 2017 - Apr 2018)</p>	<p>1,619</p> <p>Avg. Monthly Hires (Jan 2017 - Apr 2018)</p>
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In an average month, there were 8,888 unique job postings for *Software Developers, Applications*, and 1,619 actually hired. This means there was approximately 1 hire for every 5 unique job postings for *Software Developers, Applications*.



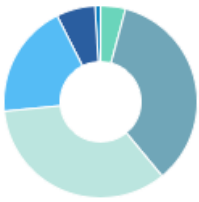
Occupation	Avg Monthly Postings (Jan 2017 - Apr 2018)	Avg Monthly Hires (Jan 2017 - Apr 2018)
Software Developers, Applications	8,888	1,619

Occupation Gender Breakdown



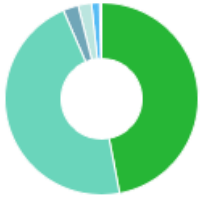
Gender	2017 Jobs	2017 Percent
● Males	39,148	82.1%
● Females	8,553	17.9%

Occupation Age Breakdown



Age	2017 Jobs	2017 Percent
● 14-18	12	0.0%
● 19-24	1,980	4.2%
● 25-34	16,628	34.9%
● 35-44	16,399	34.4%
● 45-54	9,145	19.2%
● 55-64	3,094	6.5%
● 65+	442	0.9%

Occupation Race/Ethnicity Breakdown



Race/Ethnicity	2017 Jobs	2017 Percent
White	22,426	47.0%
Asian	22,190	46.5%
Hispanic or Latino	1,221	2.6%
Two or More Races	1,060	2.2%
Black or African American	644	1.3%
American Indian or Alaska Native	83	0.2%
Native Hawaiian or Other Pacific Islander	77	0.2%

National Educational Attainment



Education Level	2017 Percent
Less than high school diploma	0.4%
High school diploma or equivalent	2.1%
Some college, no degree	8.2%
Associate's degree	4.8%
Bachelor's degree	50.3%
Master's degree	30.3%
Doctoral or professional degree	3.9%

Occupational Programs

10 Programs (2016)	1,295 Completions (2016)	4,537 Openings (2016)
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CIP Code	Program	Completions (2016)
11.0701	Computer Science	422
11.0201	Computer Programming/Programmer, General	341
11.0103	Information Technology	165
11.0104	Informatics	139
11.0202	Computer Programming, Specific Applications	93

Industries Employing Software Developers, Applications

Industry	Occupation Jobs in Industry (2017)	% of Occupation in Industry (2017)	% of Total Jobs in Industry (2017)
Software Publishers	19,426	40.7%	32.9%
Computer Systems Design Services	5,551	11.6%	23.9%
Custom Computer Programming Services	4,140	8.7%	24.0%
Internet Publishing and Broadcasting and Web Search Portals	3,232	6.8%	21.6%
Aircraft Manufacturing	1,893	4.0%	2.7%

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

Emsi Job Postings

Job postings are collected from various sources and processed/enriched to provide information such as standardized company name, occupation, skills, and geography.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

State Data Sources

This report uses state data from the following agencies: California Labor Market Information Department; Washington State Employment Security Department, Labor Market and Economic Analysis Branch