

Software Developers, Systems Software (15-1133)

Occupation description: Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. Apply principles and techniques of computer science, engineering, and mathematical analysis.

Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	85	85	0.0	1	4	5
United States	425,000	472,100	11.1	6,100	22,000	32,810

Job outlook

Alaska: Alaska's employment growth is low with low employment opportunities. [Read more.](#)

Wages ?

Wage data is not available.

Labor Force Indicators

2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
90	21	23.3	47.1	27.1

2016 Potential Supply

Qualified but working in another occupation	23
Currently employed in a lower paid occupation	16
UI claimants previously working in occupation	6

2016 ALEXsys Employment Data

Number of registrants	49
Number of job position postings	1
Ratio of registrants to job position postings	49.0

Typical Entry-level Education, Experience, and/or On-the-job Training

Education: Bachelor's degree

Work experience: None

On-the-job training: None

Training Resources

Degree

Central Texas College, Fort Richardson/Elmendorf AFB (Fort Richardson)

Information Technology	AAS
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Degree

Thomas Edison State University (Eielson AFB)

Computer Science	BA
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Degree

University of Alaska Anchorage (Anchorage)

Computer Science	BA
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Computer Science	BS
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Degree

University of Alaska Anchorage, Kenai (Soldotna)

Technical Support	OEC
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Degree

University of Alaska Anchorage, Kodiak (Kodiak)

Technical Support	OEC
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Degree

University of Alaska Anchorage, Mat-Su (Palmer)

Technical Support	OEC
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Degree

University of Alaska Fairbanks (Fairbanks)

Computer Engineering	BS
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Computer Science	BS
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Computer Science	MS
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Information Technology Specialist	AAS
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Software Engineering	MSE
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Degree

University of Alaska Fairbanks, Bristol Bay (Dillingham)

Information Technology Specialist	AAS
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Information Technology Specialist	CT2
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Degree	
University of Alaska Fairbanks, Chukchi (Kotzebue)	
Information Technology Specialist	AAS
Information Technology Specialist	CT2
Degree	
University of Alaska Fairbanks, CTC (Fairbanks)	
Information Technology Specialist	AAS
Information Technology Specialist	CT2
Degree	
University of Alaska Fairbanks, Kuskokwim (Bethel)	
Information Technology Specialist	AAS
Information Technology Specialist	CT2
Degree	
University of Alaska Fairbanks, Northwest (Nome)	
Information Technology Specialist	AAS
Information Technology Specialist	CT2
Degree	
University of Alaska Fairbanks, Rural College (Fairbanks)	
Information Technology Specialist	AAS
Information Technology Specialist	CT2
Degree	
University of Alaska Southeast, Juneau (Juneau)	
Information Systems	AAS
Information Systems	BS
Degree	
University of Alaska Southeast, Ketchikan (Ketchikan)	
Information Systems	AAS