

SOFTWARE DEVELOPER

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What does a Software Developer do?

- Research, design, and develop software applications using different programming languages
- Not only this, but they're responsible for debugging and troubleshooting programs
- They are also responsible for maintenance to any code created



Education

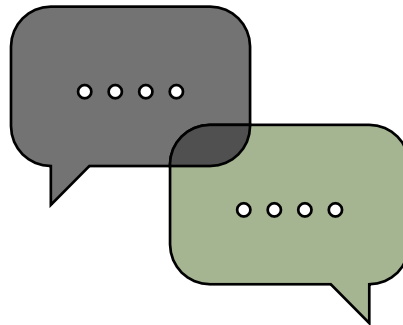
- At the bare minimum:
 - Associate's degree
- Recommended:
 - Bachelor's degree
 - Coding boot camps
 - Professional certifications



Source (MLA 9): Staff, Coursera. "How to Become a Software Developer (with or without a Degree)." Coursera, 2025, www.coursera.org/articles/how-to-become-a-software-developer?msockid=oea10a710bc168f1115d1c3coaef690c. Accessed 6 Nov. 2025.

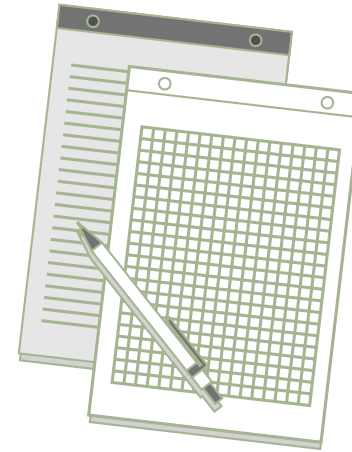
Skills

- Important soft skills:
 - ★ Communication
 - Emotional Intelligence
 - Adaptability
 - Creativity
 - ★ Problem solving
 - ★ Patience
 - Self-awareness
 - ★ Time management
 - Negotiation
 - ★ Collaboration
 - Leadership



Salary (\$\$\$)

- Entry-Level Range: \$99,654
- Mid-Career Range: \$104,938
- Senior-Level Range: \$127,617



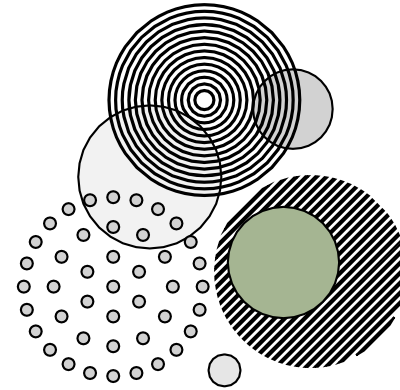
Source: <https://www.ziprecruiter.com/Salaries/Senior-Software-Developer-Salary-in-Mentor,OH>

Source: <https://www.ziprecruiter.com/Salaries/Entry-Level-Software-Developer-Salary-in-Mentor,OH>

Source: <https://www.salary.com/research/salary/listing/mid-level-software-developer-salary>

Job Outlook

- Growth Rate (10 Years): 18%
- Demand Level: 17%

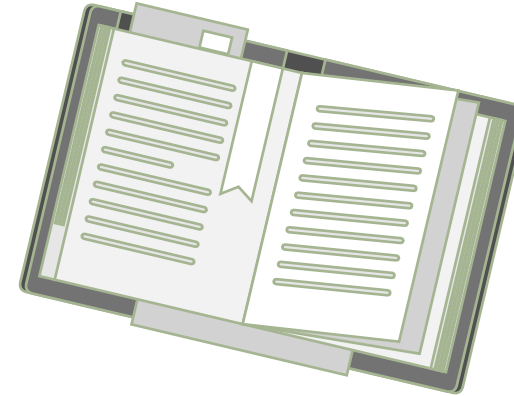


According to bls.gov: “Overall employment of software developers... is projected to grow... much faster than the average for all occupations”

U.S. BUREAU OF LABOR STATISTICS. “Software Developers, Quality Assurance Analysts, and Testers.” Bls.gov, U.S. Bureau of Labor Statistics, 18 Apr. 2025, www.bls.gov/ooh/computer-and-information-technology/software-developers.htm.

Coursework Connection

- Programming
- Web Design
- AI/Machine Learning



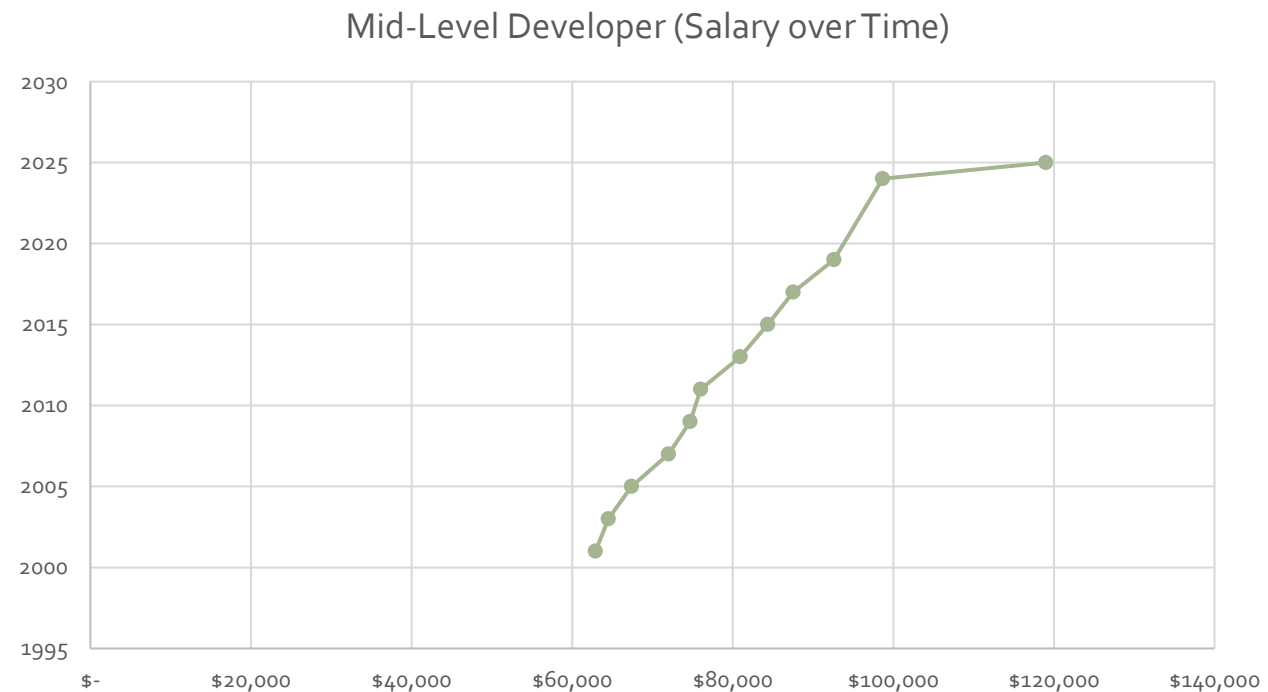
Software Developers do have to know programming languages (& how to program)

Web Design might not be a main focus for SD, but it's still a handy skill to have

AI and Machine Learning are a must have in order to develop a fundamental understanding of certain technologies

Trends (Excel)

Salary	Year
\$ 62,890	2001
\$ 64,510	2003
\$ 67,400	2005
\$ 72,010	2007
\$ 74,690	2009
\$ 76,010	2011
\$ 80,930	2013
\$ 84,360	2015
\$ 87,530	2017
\$ 92,610	2019
\$ 98,670	2024
\$119,000	2025



Source: <https://www.bls.gov/ooh/computer-and-information-technology/computer-programmers.htm#tab-1>

Closing Thoughts

- A very diverse career
- Could go from analyzing data structures to debugging a new project that your boss requests to have done by the end of the month

