

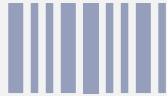
Yaroslav Goliev

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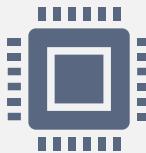
# SOFTWARE DEVELOPER

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# What They Do



1. **Write code.**



2. Design, develop, test, and maintain software applications for computers, mobile devices, and the web.



3. Collaborate with teams to plan new features, debug/fix issues in existing code, and document their work.

# Education & Skills

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- **Minimum Education:** A Bachelor's degree in Computer Science, Software Engineering, or a related field is typically required, though self-taught paths can also work.

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- **Recommended Education:** A Master's degree can be beneficial for management positions or specialized roles, such as Artificial Intelligence.

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## 3 Technical Skills:

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1. Proficiency in programming languages (e.g., Python, Java, JavaScript, C++).

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2. Understanding of data structures and algorithms.

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3. Experience with databases (like SQL or NoSQL).

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## • 3 Soft Skills:

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1. Problem-solving and critical thinking.

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2. Teamwork and collaboration.

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3. Strong communication skills.

# Salary Snapshot



- **Entry-Level Salary Range:** \$75,000 - \$115,000 per year.



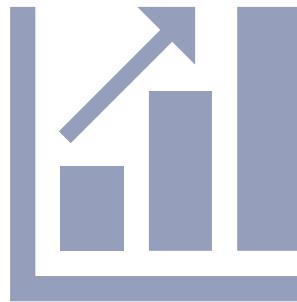
- **Mid-Career Salary Range:** \$115,000 - \$170,000 per year.



- **Senior-Level Salary Range:** \$170,000+ per year (top companies pay much higher than this too).

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# Job Outlook



- **Growth Rate (next 10 years):** 25%.
  - **Demand Level:** Very High.
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# Coursework Connection



- **Programming (Code):** Programming is the core skill used daily.



- **SQL/Databases (DB):** These skills are essential for managing the data that all applications use.

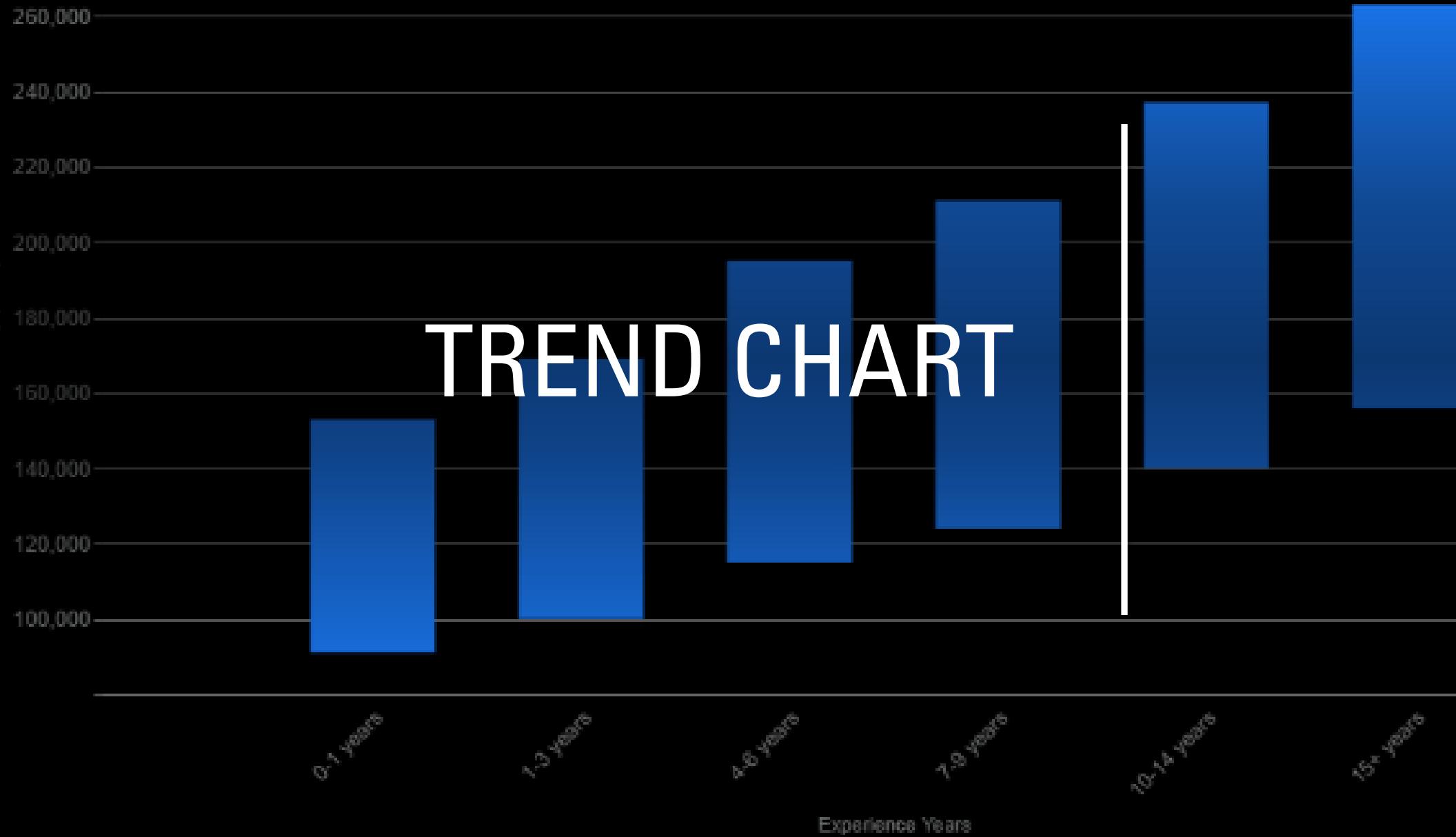


- **Web Design (Web):** Principles of web design are crucial for front-end developers creating user interfaces.



- **AI/ML (AI):** AI/ML is a rapidly growing, high-demand specialization within software engineering

# TREND CHART



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## Salary Range by Years of Experience

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