

Zachary Petersen

Software Engineer

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GitHub LinkedIn

## SKILLS

## EXPERIENCE

### Senior Software Engineer (SE-3)

- Led the development of a new feature that improved system performance by 25%.
- Collaborated with cross-functional teams to design and implement a scalable solution.
- Mentored junior engineers and provided technical guidance throughout the project.
- Conducted code reviews and ensured high-quality standards for all deliverables.

### Software Engineer, III

- Designed and developed a new module that integrated with existing systems, reducing data redundancy.
- Implemented a robust security protocol that enhanced system resilience against threats.
- Optimized database queries, resulting in a 75% reduction in load times.
- Participated in agile sprints and daily standups to ensure timely delivery of features.

### Software Engineer, II

- Developed and tested a new API endpoint that improved data exchange between services.
- Collaborated with product managers to define requirements and prioritize tasks.
- Deployed and monitored new services, ensuring high availability and performance.
- Conducted thorough testing and debugging to resolve issues quickly.

### Software Engineer, I

- Assisted in the development of a new feature that enhanced user experience.
- Performed code reviews and provided feedback to team members.
- Maintained and updated existing codebases to ensure compatibility and security.
- Achieved a 50% reduction in bugs and a 15% improvement in system reliability.

## PROJECTS

### AI Powered Tools

- Developed a machine learning model for sentiment analysis using Python, LangChain, and GitHub Actions.
- Implemented a chatbot interface that leveraged AI to provide instant customer support.
- Created a data visualization dashboard using AI to analyze user behavior and trends.

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