

Alexander Sterling

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Senior Software Engineer | Cloud Architect | Full-Stack Developer

Results-driven Senior Software Engineer with over 8 years of experience designing and building scalable web applications and distributed systems. Proven track record of leading cross-functional teams to deliver high-impact software solutions on time and under budget. Passionate about clean code, robust system architecture, and mentoring engineering talent.

CORE COMPETENCIES

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|-------------------------|-------------------|---------------------------|
| • Software Architecture | • CI/CD Pipelines | • System Design |
| • Agile Methodologies | • Automation | • API Development |
| • Cloud Infrastructure | • Team Leadership | • Test-Driven Development |

PROFESSIONAL EXPERIENCE

Senior Software Engineer | TechNova Solutions 03/2020 - Present

- Spearheaded the migration of a legacy monolithic application to a highly scalable microservices architecture using Node.js and Docker, improving system uptime by 99.9%.
- Led a team of 6 engineers in the development of a real-time data processing pipeline using AWS Kinesis, successfully reducing data latency by 45%.
- Mentored 4 junior developers through weekly pair programming sessions and comprehensive code reviews.
- Collaborated directly with product managers to define technical requirements and deliver features that increased overall user retention by 20%.

Software Engineer | Global Systems Inc. 06/2016 - 02/2020

- Developed and maintained RESTful APIs using Java and Spring Boot, serving over 2M requests per day with sub-50ms latency.
- Implemented a comprehensive automated testing suite that increased code coverage from 40% to 85%, significantly reducing critical production bugs.
- Optimized complex SQL queries and introduced Redis caching, decreasing average database response time by over 30%.
- Integrated third-party payment gateways (Stripe, PayPal) to support secure e-commerce transactions for over 50,000 monthly active users.

PROJECTS

Resume Intelligence Platform | Solo Developer 02/2019 - 08/2019

Tech: Django, PostgreSQL, OpenAI API, Tailwind

Link: github.com/asterling/resume-intel

- Built an ATS keyword analyzer that improved resume match scores by 25% in user testing.
- Implemented PDF parsing and skill extraction with robust fallback handling for malformed files.

EDUCATION

B.S. in Computer Science, University of California, Berkeley 09/2012 - 05/2016

COURSES & CERTIFICATIONS

AWS Certified Developer – Associate, Amazon Web Services

10/2021

Google Cloud Digital Leader, Google Cloud

06/2022

TECHNICAL SKILLS

Languages: JavaScript, Typescript, Java, Kotlin, Python, Go

Database: SQL, MongoDB, Firestore, PostgreSQL, Redis

Software/Tools: IntelliJ, Visual Studio Code, Docker, Kubernetes, AWS, GitHub, Node, React, Django