Senior Software Engineer - Full Stack

Sarah Johnson

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Summary:

Results-driven Senior Software Engineer with 7+ years of experience in developing secure web applications and assessment platforms. Specializing in full-stack development with expertise in online testing systems.

Skills:

• Languages: Python (Expert), JavaScript, TypeScript

• Frontend: React.js, Angular, HTML5, CSS3

• Backend: Node.js, Django, Express.js

• Databases: PostgreSQL, MongoDB, Redis

• Cloud: AWS (EC2, Lambda, S3), Azure

• Tools: Docker, Kubernetes, Git, Jenkins

• Security: OAuth2.0, JWT, SSL/TLS

Professional Experience:

Lead Software Engineer | EdTech Solutions Inc. | 2021-Present

• Architected and developed a secure online examination platform serving 50,000+ students

• Implemented real-time proctoring system with AI-based cheating detection

• Led a team of 6 developers in microservices architecture implementation

• Achieved 99.99% system uptime and reduced test loading time by 40%

Senior Developer | Assessment Systems Corp | 2018-2021

• Designed RESTful APIs for test delivery and grading systems

• Implemented automated scoring algorithms for various question types

• Integrated third-party authentication systems and security protocols

Education:

• Master's in Computer Science, MIT (2018)

• Bachelor's in Software Engineering, Stanford University (2016)

Certifications:

• AWS Certified Solutions Architect

• Security+ Certification

- MongoDB Certified Developer