

EUGENE SONG

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SUMMARY

Software Engineer with 2+ years of hands-on experience designing and implementing scalable backend architectures, secure API solutions, and cloud infrastructure for healthcare IT and modern web applications.

CERTIFICATIONS

AWS Certified Solutions Architect – Associate, CompTIA Security+, CompTIA A+

SKILLS

Languages: Java, Swift, Python, JavaScript/TypeScript, C/C++, SQL, HTML/CSS

Frameworks & Libraries: Spring Boot, Angular, Node.js, Express.js, React, SwiftUI, SAFe Agile, FastAPI

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, AWS S3

Cloud & DevOps: AWS, Terraform, Docker, GitLab, SonarQube

API & Documentation: Axway, OpenAPI/Swagger

Analytics & BI: Power BI, R

EXPERIENCE

Software Engineer | enGen, Remote

May 2023 - Present

- Designed and led the development of Spring Boot microservices for healthcare eligibility systems, improving scalability and reducing processing time by 40%.
- Engineered high-throughput Java REST APIs processing 2,000+ daily requests with less than 200ms latency, maintaining 99.99% reliability SLAs.
- Led Angular upgrade from v8 to v19, modernizing workflows and reducing page load times by 40%, while decreasing client-side bugs.
- Lowered critical eligibility endpoint API response times from 850ms to 300ms by optimizing PostgreSQL database queries.
- Increased unit test coverage from 65% to 90% using JUnit and Mockito, supporting continuous HIPAA-compliant delivery pipelines.
- Participated in design reviews to assess feasibility and scalability of solutions; provided input on 3 long-term architectural initiatives.
- Integrated ELK Stack and Splunk for observability, reducing average incident resolution time and improving operational insights.

PROJECTS

SafeSave: Secure Password Manager

- Developed a secure application to manage passwords with robust security measures.
- Engineered secure RESTful APIs using Express.js, employing bcrypt hashing, OAuth 2.0 for authentication, and TLS encryption, incorporating 2FA and secure password hashing to protect against common vulnerabilities.

The Cloud Resume Challenge

- Deployed a scalable serverless website on AWS (S3, CloudFront)
- Automated infrastructure provisioning and CI/CD pipelines using Terraform and GitHub Actions.

EDUCATION

Oregon State University, Bachelor of Science, Computer Science (3.8 GPA)

December 2023

California State University, Long Beach, Bachelor of Science, Health Science

June 2021