HARSHITH SAI VEERAIAH

Milpitas , San Jose, CA 95035

📞 646-319-2738 ✉ harshithsaiveeraiah@gmail.com 🔗 linkedin.com/in/harshith-sai-v/ ⊙ github.com/harshithsaiv

Summary

Aspiring Software Engineer with expertise in scalable system design and secure infrastructure development. Passionate about enabling cutting-edge technologies and collaborating across teams to create robust, reliable systems that empower innovation.

Education

California State University Sacramento   **Aug. 2023 – Dec 2025**
Master of Science in Computer Science GPA: 4.0   *Sacramento, CA*
Dayananda Sagar Institutions   **Jun. 2019 – May. 2023**
Bachelors in Information Science GPA: 4.0   *Bengaluru,India*

Technical Skills

Languages: Java, Python, C++, JavaScript, SQL, NoSQL, Bash
Developer Tools: Eclipse, VS Code, Git, Jenkins, Docker, Kubernetes
Technologies/Frameworks: Spring Boot, JUnit, Agile practices,OpenTelemetry, TensorFlow, PyTorch,Terraform, Ansible, Docker
Networking:TCP/IP, UDP, ARP, DNS, DHCP, OSI model , TLS, x509, SAML. **Cloud Databases**: AWS, DynamoDB, RDBMS, NoSQL databases
Certifications: AWS Solution Architect-Associate Badge, Google Cloud Platform Fundamentals: Core Infrastructure

Experience

California State University Sacramento   **Jan. 2024 – Present**
Software Engineer Associate - Security & Automation   *Sacramento, CA*

- Optimized data retrieval, deduplication, and incident management processes using Java, Spring Boot, Qualys API, and shell scripting, achieving a 65% increase in operational efficiency by developing scalable microservices, enabling real-time data access.

REINFOSEC   **Oct. 2022 – Jun. 2023**
Security Development Engineer   *Bangalore, India*

- Developed a scalable vulnerability assessment platform using Java, Spring Boot, and Docker, integrating SQL and NoSQL databases.

The Enterpreneurship Network   **Aug. 2021 – Oct. 2022**
JAVA Associate Developer   *Delhi,India*

- Optimized backend microservices with Spring Boot, Hibernate, and MySQL, reducing response time by 30% and boosting database efficiency by 25%. Integrated Apache Kafka to handle 150,000+ messages daily, increasing throughput by 40%.

Projects

Cross-Border Payment Optimization System | *Spring Boot, Java, Kafka, AWS Lambda, DynamoDB*

- Developed a scalable system using Spring Boot, Java, and Kafka to optimize cross-border payment processing, minimizing transaction fees and predicting the best conversion rates in real-time.
- Designed a fraud detection mechanism using PyTorch and TensorFlow, employing anomaly detection algorithms.
- Integrated PayPal APIs for seamless payment processing, demonstrating a proof-of-concept for real-world applications.

Universal Wallet Aggregator | *React, NodeJS, Spring Boot, AWS, NoSQL*

- Developed a unified wallet application using React, NodeJS, and Spring Boot to aggregate payment options like PayPal, Venmo, bank accounts, and cryptocurrencies.
- Implemented seamless currency conversion with NoSQL databases, enabling high-speed transactions and real-time updates.
- Designed cloud-native microservices on AWS using Kubernetes, ensuring scalability and reliability for large-scale usage.

AI-Driven Merchant Analytics Platform | *Python, Pandas, AWS Kinesis, TensorFlow, React*

- Developed a platform using Python, AWS Kinesis, and TensorFlow to analyze sales performance and predict trends, enabling merchants to make data-driven decisions.
- Built an interactive dashboard with React for real-time updates and actionable insights, improving merchant engagement and visibility.

High-Performance Transaction Simulator | *Java, Spring Boot, Docker, Kubernetes, CloudWatch, Prometheus*

- Developed a simulator using Java and Spring Boot to stress-test payment systems under high transaction loads, ensuring system reliability and scalability.
- Incorporated CloudWatch and Prometheus for real-time monitoring and benchmarked results to recommend infrastructure optimizations.