Srikanth Chakilam

(573)-200-1519 San Mateo, CA srikanthchakilam25@gmail.com LinkedIn GitHub Portfolio

SUMMARY

Software Engineer with 5+ years of experience modernizing enterprise applications across finance, healthcare, and ecommerce industries. Proficient in Frontend and Backend development, Database, Cloud and testing. Skilled in building cloud-native microservices (Java, Go, Python), integrating AI/LLMs, and delivering performance gains with Azure/AWS/GCP, React, and modern DevOps practices.

PROFESSIONAL EXPERIENCE

ORACLE **April 2026 – Present**
Member of Technical Staff - Software Engineer Santa Clara, California

- Designed and developed full-stack features for a SaaS application using **Oracle Cloud Infrastructure (OCI)**, improving system usability and performance.
- Actively contributed across multiple **Software Development Life Cycle (SDLC)** phases including requirement analysis, design, development, testing, and deployment, supporting delivery of high-quality cloud-native features.
- Built and integrated backend services using **Java** and **Spring Boot**, leveraging **OCI** services such as Object Storage, Compute, and IAM to enable secure, scalable cloud-native functionality
- Developed and maintained cloud-native backend services using **Java and Python** on Oracle Cloud Infrastructure (OCI), supporting distributed workflow orchestration, asynchronous task execution, and scalable microservices.
- Built and integrated **AI agents and Model Context Protocol (MCP) tools** to connect development workflows with internal services, enabling tool-based access to operational data and engineering resources.
- Integrated MCP-based tooling with **Jira, Confluence, DevOps services, and monitoring systems**, enabling AI-assisted retrieval of incident details, service information, and operational metrics.
- Used **Python and automation scripts** to support backend workflows, operational tooling, and interactions with cloud services.
- Enhanced Java-based client components to improve asynchronous task processing, worker compatibility, and assignment handling in distributed systems.
- Developed OCI Monitoring and telemetry-based alerting for Autonomous Database CPU utilization, including resource-level metrics, configurable thresholds, and production monitoring.
- Worked with **OCI services, CI/CD pipelines, and Grafana** to deploy, monitor, and troubleshoot distributed applications across multiple cloud regions.

GEICO **January 2025 – December 2025**
Software Engineer III Austin, Texas

- Led the development of scalable **Golang-based microservices** for GEICO's insurance policy management and claims automation platforms, improving API performance and enabling seamless integration with legacy enterprise systems.
- Migrated legacy **Java applications to Golang microservices** deployed on **Azure Kubernetes Service (AKS)**, leveraging **PostgreSQL and Apache Kafka** for asynchronous communication, event-driven processing, and scalable insurance operations.
- Developed high-performance **REST APIs** using Golang concurrency patterns, including goroutines and channels, integrating **Azure API Management** for secure authentication, authorization, and communication across distributed services.
- Integrating **Azure** API Management for secure token-based authentication and sensitive data protection, leveraging **Kafka topics for event streaming & log aggregation** across **microservices.**
- Integrated **LLM-powered search and policy lookup features** into existing insurance applications using secure REST APIs, supporting AI-assisted retrieval of policy information through **Golang** backend services.
- Worked with **prompt engineering, Retrieval-Augmented Generation (RAG) concepts, and LLM API integrations** for insurance policy search, focusing on contextual retrieval, request formatting, response handling, and API-level testing.
- Optimized **PostgreSQL queries using GORM** and integrated **Azure Functions** for asynchronous processing and event-driven automation, reducing average database query latency by 45%, measured against the previous implementation.
- Built **Grafana dashboards with Prometheus and Loki** to monitor API latency, throughput, service health, and error rates, supporting performance troubleshooting and reliability across cloud-native microservices

Charles Schwab **November 2022 – December 2024**
Full Stack Engineer Austin, Texas

- Led development of **Java**-based web applications for Charles Schwab's Portfolio Management and Developer API Portal, integrating advanced **Java** features like **Lambda** Expressions, Collections framework (Data Structures), **Stream APIs** and aligned with **system design principles** and **microservices** best practices for functionality & performance. Mentored junior developers and ensured code quality.
- Collaborated with cross-functional teams to architect and implement **RESTful APIs** with **Spring Boot** framework; introduced **RabbitMQ** for **microservices** communication, leading to a 40% increase in system robustness and scalability.
- Simplified software development efficiency by creating reusable forms with validations in **React** with **Redux**, partnering with **UI/UX** designers to implement static content using **HTML5, CSS3, JavaScript, React** and defined advanced features, reducing form submission.
- Restructured complex **SQL** queries within database systems such as **Microsoft SQL** Server resulting in a significant reduction of query time, leveraging advanced features like indexing & stored procedures.
- Assessed an evaluation and integration of **Mockito** with **JUnit**, enhancing unit testing coverage & conducted integration tests to validate end-to-end functionality across distributed systems & managed log data using **Splunk**.
- Orchestrated deployments on **AWS, EC2**, **S3**, and **RDS** and devised **CI/CD** pipelines with **Jenkins,** integrating RabbitMQ message brokers for inter-service communication.

CVS Health **July 2021 – October 2022**
Software Engineer Hartford, Connecticut

- Led architectural design and requirement analysis for CVS Pharmacy & Aetna Health app developing **REST APIs** in **Java** with a focus on object-oriented programming **(OOP)**, **Data Structures**, **Algorithms**, and **system design patterns** ensuring robust exception handling throughout the software development life cycle **(SDLC)**.
- Architected a **Redis caching** system with **OAuth2** token-based authentication using **Spring Security** to improve efficiency of the **RESTful API** for **Kotlin** mobile apps; achieved a 50% decrease in data retrieval latency and secured endpoints with API security and access-control policies.
- Established responsive user interfaces using **AngularJS** framework & equipped advanced features like **lazy loading**, **routing**, and **form validation**.
- Integrated **GraphQL APIs** with **Node.js** backend to deliver efficient data to **AngularJS** applications and engaged **TypeScript** for type safety & mirroring skills in web development. Employed **Grafana** and **Prometheus** as visualization tools for real-time monitoring, ensuring system health.
- Collaborated with cross-functional teams to transform **UI/UX** design mock-ups into responsive, high-performance web interfaces using **HTML5**, **CSS3**, **JavaScript**, and **jQuery**, optimizing front-end performance and accessibility to boost user engagement.
- Enhanced data management system using **Hibernate** & **Spring Framework** by integrating **MongoDB** with sharding and **caching layers** to scale **CRUD** operations and deployed containerized claims visualization and cost estimation modules using **Docker** on **Azure Kubernetes Service (AKS)** for high availability and performance.

The Home Depot **January 2021 – June 2021**
Associate Software Engineer San Mateo, California

- Directed **Agile** development with scrum in **Jira** and built backend components in **Python,** leveraging **Python frameworks** alongside **Bash automation scripts** for deployment and log analysis, accelerating development cycles.
- Implemented **SSL/TLS** encryption using **OpenSSL** and configured secure **VPC** network rules for **Kafka** clients and **SQL database**, ensuring encrypted data transmission and strengthening overall system security.
- Architected **TDD** workflows and built **Python backend services** deployed on **GCP Compute Engine** with Cloud Load Balancing, Logging, and Monitoring, improving reliability, performance, and security through automated tests and continuous validation.
- Engineered robust **Python backend** modules using **Flask** and modular design patterns, implementing optimized **REST API** endpoints, request validation layers, and performance-tuned database interactions to improve system reliability and reduce **API** latency.
- Modernized **Angular.js** & **React.js** codebases, delivering high-performance UIs using **HTML, CSS, JavaScript, jQuery, TypeScript**, and **JSX** to enhance user experience.
- Designed and built a scalable **Python** application with **Flask** and **Oracle SQL**, integrating automated schedulers for system-availability reporting and Machine Learning-based sales forecasting, improving dashboard performance and prediction accuracy.

EDUCATION

Southeast Missouri State University **January 2019 – December 2020**
Master of Science, Applied Computer Science Cape Girardeau, Missouri

Jawaharlal Nehru Technological University (JNTUH) **June 2014 – May 2018**
Bachelor of Science, Computer Science Hyderabad, India

TECHNICAL SKILLS

Programming Languages:	Python, Java, Golang, SQL, JavaScript, TypeScript.
Frameworks & Backend:	Spring Boot, Spring MVC, Spring Security, Hibernate, Flask, Node.js, Microservices, REST APIs, GraphQL, Large Language Models (LLMs)
Frontend Technologies:	React.js, Redux, AngularJS, HTML5, CSS3, JavaScript, TypeScript, Bootstrap, AJAX, jQuery
Cloud Platforms:	Oracle Cloud Infrastructure (OCI), Microsoft Azure, Amazon Web Services (AWS), Google Cloud Platform (GCP).
Cloud Services:	Azure Kubernetes Service (AKS), Azure Functions, Azure App Services, Azure DevOps, AWS EC2, S3, RDS
Databases:	PostgreSQL, Oracle SQL, Microsoft SQL Server, MySQL, MongoDB, NoSQL, Redis.
DevOps & CI/CD:	Docker, Jenkins, Azure DevOps, OCI Resource Manager, Git, CI/CD Pipelines, Bash, SonarQube.
Monitoring & Observability:	Grafana, Prometheus, Loki, Splunk, Kibana.
Testing:	JUnit, Mockito, Selenium, Unit Testing, Integration Testing, Test-Driven Development (TDD).
Tools & Platforms:	GitHub, Jira, IntelliJ IDEA, Postman, Visual Studio Code, Figma, Apache Tomcat, WebLogic.
Methodologies:	Agile Scrum, Software Development Life Cycle (SDLC), Object-Oriented Programming (OOP).
AI & Generative AI:	Generative AI, AI Agents, Agentic AI, Model Context Protocol (MCP), MCP Servers, MCP Clients, MCP Tools, LLM API Integration, Prompt Engineering, Retrieval-Augmented Generation (RAG), AI-Assisted Search.