Siva Sai Kanneganti

Software Engineer Email: [sivasaikanneganti2@gmail.com](mailto:sivasaikanneganti2@gmail.com) Mobile: +1 913-535-6496 Location: United States LinkedIn: https://[www.linkedin.com/in/siva-sai-k-a82156355/](http://www.linkedin.com/in/siva-sai-k-a82156355/) SUMMARY

Full Stack Software Engineer with 4+ years of experience in designing, developing, and implementing enterprise-level applications. Skilled in Java/OpenJDK 11+, Spring Boot, C#, PHP, RESTful APIs, microservices, and SQL with expertise in system architecture, SDLC, and CI/CD automation using Azure DevOps. Adept at object-oriented programming, design patterns, secure coding, and performance optimization, ensuring scalable, high-quality software solutions. Proven record of building robust e-Applications, debugging issues, and enhancing system stability through monitoring and logging tools.

# TECHNICAL SKILLS

* **Languages:** Java (8–21, OpenJDK 11+), C#, PHP, SQL, PL/SQL, Python, JavaScript (ES6+), Bash
* **Frameworks:** Spring Boot, Spring MVC, Spring Security, Hibernate, J2EE, REST/SOAP APIs
* **Databases:** Oracle, PostgreSQL, MySQL, MS SQL Server
* **Frontend:** AngularJS, React.js, JSP, HTML5, CSS3, JQuery, JavaScript.
* **Cloud & DevOps:** Azure DevOps (Repos, Pipelines, Boards), Jenkins, GitHub Actions, Maven, Gradle
* **Architecture:** Microservices, Event-driven systems, Domain-Driven Design (DDD), Object-Oriented Programming (OOP), Design Patterns
* **Containers & IaC:** Docker, Kubernetes (AKS/EKS), Terraform
* **Testing & QA:** JUnit, Mockito, Selenium, Cypress, Postman, Rest Assured, Swagger
* **Monitoring & Logging:** Splunk, Dynatrace, Azure Monitor, Application Insights
* **Other Tools:** Putty, TOAD, Remedy

# PROFESSIONAL EXPERIENCE

Astute Technologies

Client: State Wide Insurance August 2024 Present, Illinois Software Engineer

* Designed and developed Spring Boot microservices for insurance policy servicing and claims workflows, exposing REST APIs for seamless integration with billing and underwriting systems.
* Implemented Angular components with reusable modules and routing for customer portals, ensuring responsive interaction with backend APIs.
* Created SQL queries, stored procedures, and schema updates in PostgreSQL and Oracle to support policyholder, claims, and premium datasets.
* Secured sensitive insurance data by configuring Spring Security with OAuth2.0 and JWT tokens, applying IAM roles for AWS resources and enforcing role-based access control.
* Migrated legacy modules into containerized microservices deployed on Azure Kubernetes Service (AKS) and AWS EKS, improving scalability and reliability.
* Leveraged AWS EC2 for hosting backend services, RDS for policy data storage, and S3 for document storage (policy PDFs, claim forms).
* Integrated Apache Kafka for asynchronous event-driven communication across claims, payments, and policy microservices.
* Built AWS Lambda functions for serverless processing of claim notifications and automated document archival into S3.
* Automated monitoring and alerting with AWS CloudWatch, integrated with Azure Monitor for end-to-end observability across hybrid deployments.
* Published APIs via AWS API Gateway, enabling secure external partner integrations with request validation and throttling.

Zensar Technologies

Client: Dervico (RPG) June 2020 – July 2023, India Software Engineer

* Developed and enhanced Spring Boot microservices to manage bet configuration, odds management, and transaction workflows, exposing REST APIs consumed by gaming platforms.
* Built Angular and React.js dashboards with Redux for odds configuration and transaction monitoring, ensuring smooth user experience with real-time data updates.
* Designed persistence layers using PostgreSQL and MS SQL Server, applying schema design and query optimization for transactional consistency.
* Applied secure coding practices in APIs, integrating OAuth2.0 and token validation to protect betting workflows and enforce user access policies.
* Containerized services with Docker and deployed into Kubernetes clusters (EKS/AKS), enabling autoscaling and high availability during gaming events.
* Used AWS EC2 for hosting backend services, S3 for storing logs and audit records, and RDS for structured bet transaction data.
* Created AWS Lambda scripts for scheduled data cleanup and archival, reducing overhead in active databases.
* Configured AWS CloudWatch dashboards to monitor latency, errors, and throughput, providing visibility into microservice health.
* Automated build and deployment processes with Jenkins and GitHub Actions, enabling continuous integration and delivery across staging and production.
* Applied JUnit, Mockito, Selenium, and Cypress for unit, integration, and end-to-end testing, embedding them into CI/CD pipelines for continuous validation.
* Documented and tested APIs with Swagger and Postman, enabling QA and business teams to validate features before release.
* Actively participated in Agile ceremonies including sprint planning, backlog grooming, and retrospectives, contributing to team-wide continuous improvement.
* Implemented Spring Cloud Config and centralized configuration management to streamline deployment of betting microservices across multiple environments, ensuring consistent setup and easier maintenance.
* Integrated Apache Kafka to publish and consume event streams for bet placement and results processing, enabling asynchronous communication between distributed services.
* Leveraged AWS S3 for storing audit logs and historical betting records, and configured lifecycle policies for automated archival and compliance requirements.
* Designed Cypress end-to-end testing workflows combined with Cucumber BDD to validate user journeys across betting applications, embedding them into CI/CD pipelines for early defect detection.

EDUCATION

## Master of Science in Computer Science

University of Central Missouri, USA August 2023 – December 2024

## Bachelors of Technology in Computer Science

K L University, India

S



CERTIFICATION

* Attained hands-on Java training – Front Lines Media.
* Certified as a Salesforce Administrator – Salesforce.
* Certified Azure Cloud Fundamental - Azure