Rahul Shivanathri

SENIOR SOFTWARE ENGINEER
Java | Spring Boot | Cloud & Microservices
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PROFESSIONAL SUMMARY

Results-driven Senior Software Engineer with 6+ years of experience designing and delivering scalable, cloud-native applications in healthcare, finance, and e-commerce. Expert in Java 17, Spring Boot, microservices, RESTful APIs, and modern frontend technologies (React.js, AngularJS). Skilled in architecting secure, high-performance systems on AWS, GCP, and Azure, leveraging Docker, Kubernetes, and CI/CD pipelines to improve reliability and deployment efficiency. Proven track record of optimizing databases and event-driven architectures (Kafka, ActiveMQ) to reduce latency by 30% and enhance system availability, while mentoring junior engineers and collaborating with cross-functional teams.

TECHNICAL SKILLS

Languages: Java 17, Python, Node.js
Backend Frameworks: Spring Boot, Spring MVC, Hibernate, RESTful APIs, Microservices Architecture
Frontend Technologies: React.js, AngularJS, HTML5, CSS3, Bootstrap, jQuery, AJAX
Cloud Platforms & DevOps: AWS (EC2, Lambda, S3, RDS, IAM, CloudWatch), Google Cloud Platform (Cloud Run, Cloud Functions, Big Query), Microsoft Azure (Virtual Machines, Azure Functions, App Services), Docker, Kubernetes, Jenkins, GitLab CI/CD, Terraform, SonarQube
Databases: MySQL, PostgreSQL, MongoDB, Cassandra, Oracle, SQL Server
Messaging & Streaming: Apache Kafka, ActiveMQ, JMS
Testing & Tools: Maven, JUnit, Mockito, Postman, Swagger (Open API), Log4j, Splunk
Methodologies & Practices: Agile (Scrum), Test-Driven Development (TDD), Code Reviews, System Design, High Availability, Load Balancing, Performance Tuning

PROFESSIONAL EXPERIENCE

Senior Software Engineer | USAA (HCL Tech)   May 2024 – Present

- Architected Spring Boot microservices for password authentication and MSR management, improving system reliability and security.
- Designed and implemented RESTful APIs to enable seamless service integration across multiple platforms.
- Built event-driven workflows using Apache Kafka, reducing latency for high-volume operations and enhancing real-time processing.
- Managed AWS resources (EC2, Lambda, IAM), ensuring scalable, cost-efficient, and highly available infrastructure.
- Modernized legacy voice systems by migrating to Talon and developing IVR workflows using VXML and JavaScript, improving system performance and scalability.
- Orchestrated containerized deployments with Docker and automated CI/CD pipelines using GitLab, ensuring consistent releases.
- Collaborated with cross-functional teams on distributed system design, performance tuning, and integration strategies.

Software Engineer | Digital Ellanky   Jan 2022 – Aug 2022

- Led the design and development of scalable Spring Boot microservices for healthcare, education, and e-commerce platforms.
- Automated cloud infrastructure provisioning using AWS CloudFormation, reducing manual setup and operational overhead.
- Integrated REST APIs to connect legacy and modern systems, improving data flow and system interoperability.
- Implemented role-based security using Spring Security, safeguarding sensitive enterprise data.
- Enhanced frontend interfaces with React.js, AngularJS, and Bootstrap, boosting client satisfaction by 25%.
- Configured CI/CD pipelines to accelerate release cycles and ensure deployment reliability.
- Optimized DynamoDB operations for high efficiency and horizontal scalability.

Software Engineer | Jiyyo Healthcare   **Jul 2021 – Jan 2022**
- Engineered distributed Spring Boot microservices for Jio Mitra e-Clinic, increasing rural healthcare access by 40%.
- Developed and optimized REST APIs and backend operations with Hibernate and MongoDB, reducing response times by 20%.
- Implemented serverless workloads using GCP Cloud Functions, enabling scalable processing during peak demand.
- Secured data using JWT tokens and Spring Security, ensuring compliance with healthcare data standards.
- Built real-time data streaming pipelines with Apache Kafka to synchronize remote clinics with urban doctors.
- Standardized deployments using Docker, improving environment consistency and reliability.

Software Engineer | Chubb Insurance (Cognizant)   **Dec 2018 – Jul 2021**
- Developed high-performance Spring Boot microservices supporting 500K+ daily users.
- Built optimized REST APIs for AngularJS frontends, enhancing system responsiveness.
- Managed AWS cloud resources (EC2, S3) for cost-efficient, high-performing infrastructure.
- Automated deployment pipelines using Jenkins, reducing release cycles by 50%.
- Integrated ActiveMQ for real-time messaging in distributed systems.
- Containerized applications with Docker to standardize environments and improve reliability.

Software Developer Intern | Publicis Sapient   **Mar 2018 – Jul 2018**
- Developed Spring MVC applications with REST APIs integrated into AngularJS frontends.
- Configured MySQL and Oracle databases for high-transaction workloads, improving throughput by 30%.
- Built reusable Spring components to accelerate development and ensure maintainability.
- Implemented CI/CD pipelines and automated testing (JUnit, Mockito, Postman) to ensure reliable releases.

PROFESSIONAL EXPERIENCE

• Wilmington University | master's in information's systems technologies | Delaware, USA	Aug 2022 – Dec 2023
• Anurag Group of Institutions| bachelor's in computer science | India	Sep 2013- Jun 2017