Rahul Shivanathri

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Java Full Stack Developer | Portfolio | LinkedIn

Professional Summary

Innovative and results-driven **Software Development Engineer** with over **5 years of experience** in designing and developing **scalable, high-performance enterprise and web applications**. Proficient in leveraging modern technologies such as **Java**, **Spring Boot**, and **Microservices** to deliver robust **back-end solutions**. Experienced with **cloud platforms**, particularly **AWS**, and well-versed in **containerization** using **Docker** and **Kubernetes** to streamline deployment and enhance system reliability. Adept at implementing **CI/CD pipelines** to automate processes and improve software delivery. Experienced in utilizing **Apache Kafka** for building **event-driven, scalable systems**. Strong collaborator in **cross-functional Agile teams**, with a proven ability to work across the **full stack**, ensuring seamless integration of **front-end technologies** like **Angular** and **React** with back-end systems. Committed to continuous improvement, optimizing **performance**, and ensuring system **scalability and availability**.

Skills Matrix

Category	Skills	Experience
Languages	Java, Java 17, Python, Node.js, JavaScript	5+ years
Back-End Development	Java, Spring Boot, Spring MVC, Hibernate, JSP, EJB, RESTful API Development, JAX-RS, JAX-WS	5+ years
Front-End Development	HTML5, CSS3, Bootstrap, Angular, React	5+ years
Cloud & DevOps	AWS (EC2, Lambda, S3, IAM), Docker, Kubernetes, Jenkins, GitLab CI/CD, Terraform, SonarQube	4+ years
Database Management	MySQL, PostgreSQL, MongoDB, Cassandra, Database Performance Optimization	5+ years
Version Control	Git, GitLab CI/CD	5+ years
Testing & Tools	Maven, JIRA, JUnit, Mockito, Postman, Automated Testing, Continuous Integration	5+ years
Messaging & Streaming	Apache Kafka, ActiveMQ, JMS, Message Queues, Event-Driven Architecture	
System Integration	Integration of Third-Party Services, RESTful APIs, SOAP, Microservices, Enterprise Data Integration	5+ years
Performance Optimization	Performance Tuning, Application Scalability, High Availability, Load Balancing, Caching Techniques	5+ years
Methodologies	Agile, Scrum	5+ years
Code Reviews & Quality Assurance	Code Reviews, Unit Testing, Integration Testing, Automated Test Development, Test-Driven Development	5+ years
Collaboration	Cross-functional Communication, Project Leadership, Client Engagement, Process Optimization	5+ years
Continuous Improvement	Adapting to New Technologies, Process Refinement, Industry Trends Awareness, Knowledge Sharing	Ongoing

Education

- **Master of Science in Information Systems Technology** – Wilmington University, DE, USA | Dec 2023
  Coursework: IT Policy and Strategy, Plan for Information Security, Data Management, Analysis, Modeling and Design, Data Communications and Networking, Project and Change Management, Cloud Management, Web and Data Security, Incident Handling and Response, Information Assurance Integration, OS and Computer System Security, Field Experience/Internship.
- **Bachelor of Technology in Computer Science Engineering** – Anurag Group of Institutions, India | Mar 2017

Professional Experience

USAA Global, Dallas, TX, USA   **May 2024 – Present**
Java Full Stack AWS Developer
- Developed and maintained robust **microservices** using **Spring Boot**, ensuring effective communication and seamless integration within a service-oriented architecture.
- Created and exposed **RESTful APIs** to enhance interaction between multiple services, providing an efficient and scalable solution for backend operations.
- Integrated **Apache Kafka** for real-time event streaming, optimizing data flow and enhancing the reliability and performance of distributed systems.
- Managed **AWS EC2**, **Lambda**, and **IAM** for scalable infrastructure, ensuring secure and cost-efficient cloud resource utilization.
- Developed **CI/CD pipelines** using **GitLab**, automating build, test, and deployment processes to enhance development efficiency and reduce time-to-market.
- Contributed to performance optimization by migrating SQL-based data storage to **Elasticsearch**, significantly improving search query speeds and scalability.
- Worked within a **global delivery environment**, actively participating in agile ceremonies, sprint planning, and ensuring timely delivery of features.

Digital Ellanky, India   **Jan 2022– Aug 2022**
Java Lead Engineer

- Led the design and development of **microservices** with **Spring Boot**, ensuring the services were modular, scalable, and maintainable.
- Utilized **AWS CloudFormation** for infrastructure automation, ensuring consistency and reducing the operational overhead of manual deployments.
- Built and integrated **RESTful APIs** to facilitate smooth communication between new services and existing legacy systems.
- Applied **Spring Security** to implement role-based access control, safeguarding the application from unauthorized access.
- Created and optimized the front-end using **React.js**, **AngularJS**, and **Bootstrap**, delivering an intuitive and responsive user interface.
- Implemented **CI/CD pipelines** with **GitLab** to automate testing, build, and deployment processes, ensuring faster and more reliable software releases.
- Incorporated **DynamoDB** for efficient, high-performance NoSQL data storage, improving the overall system responsiveness.
- Actively participated in Agile ceremonies, contributing to sprint planning, daily stand-ups, and code reviews, ensuring timely delivery of features.

Jiyyo Innovations, India   **Jul 2021 – Jan 2022**
Java Full Stack Developer
- Developed and deployed **microservices** with **Spring Boot**, optimizing backend performance and ensuring high scalability for enterprise applications.
- Designed and integrated **RESTful APIs** to support seamless communication between microservices and front-end components.
- Utilized **AWS Lambda** for serverless computing, enabling cost-effective scaling and improving system efficiency.
- Implemented secure user authentication and authorization using **JWT** and **Spring Security** for robust security mechanisms.
- Built responsive, user-friendly interfaces with **React.js**, **AngularJS**, and **Bootstrap**, enhancing the overall user experience.
- Optimized backend database interactions with **Hibernate ORM** and **MongoDB**, reducing query times and increasing data access speed.
- Developed event-driven architectures using **Apache Kafka** in Java, enabling real-time data streaming and event processing across distributed systems, ensuring high throughput, fault tolerance, and scalability of microservices-based applications.
- Containerized applications using **Docker**, ensuring consistent environments from development to production.
- Worked within Agile teams to deliver high-quality features on time, participating in sprint reviews, planning, and retrospectives.

Cognizant Technology Solutions, India   **Dec 2018 – Jul 2021**
Programmer Analyst (Java FSD)

- Developed and maintained scalable **microservices** using **Spring Boot**, focusing on high-performance backend solutions and complex business logic.
- Created and integrated **REST APIs** for communication between the front-end developed with **AngularJS** and backend services.
- Managed **AWS EC2** and **S3** for cloud hosting and storage, optimizing performance and scalability.
- Automated testing and deployment pipelines using **Jenkins**, reducing manual intervention and increasing release efficiency.
- Implemented **Apache Kafka** for handling real-time data streams, ensuring smooth data flow and efficient processing across the platform.
- Containerized applications using **Docker**, improving deployment efficiency and providing consistency across environments.
- Developed a **production checkout tool** for health-checking all background components in the application, ensuring system reliability and preventing downtime.
- Actively contributed to Agile processes, participating in sprint planning, daily stand-ups, and retrospectives, ensuring timely delivery of quality features.
- Provided production support, resolving issues promptly and ensuring high system uptime and performance.

Sapient Public Sector, India   **Mar 2018 – Jul 2018**
Java Full Stack Developer

- Designed and developed **scalable Java applications** using **Spring MVC**, focusing on building **reusable and modular components** that streamlined the development process and facilitated easier maintenance.
- Integrated **SQL databases** (MySQL/Oracle) with Java applications, optimizing **data retrieval**, query execution, and ensuring seamless communication between the **database** and **application layers** to support high-volume transactions.
- Developed **RESTful APIs** using **Spring MVC** to expose core business logic, enabling real-time data access and ensuring compatibility with front-end systems built with **AngularJS**.
- Built reusable modules and components within the **Spring MVC framework**, enhancing system **flexibility** and **scalability** while significantly reducing development time for new features and future iterations.
- Implemented **exception handling** and **error management** techniques in Java, ensuring robust application performance and stability in production environments.
- Optimized the **CI/CD pipeline** processes to accelerate **build, test**, and **deployment** cycles, enhancing the **reliability** and **efficiency** of software delivery and reducing manual intervention.
- Participated in **code reviews** as part of an Agile team, providing constructive feedback to colleagues while ensuring adherence to **best practices**, **design patterns**, and **coding standards**
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Key Projects

- **EventSphere**: EventSphere is an end-to-end event management platform with secure access via OAuth2 for both admins and users. Admins can create and manage events across different cities, while users can register, reserve, wishlist, and search for events. The system integrates AWS S3 for efficient image storage and retrieval.
- **FleetMaster**: FleetMaster is a Spring Boot-based vehicle rental application with multiple roles: admin, user, and supplier. Users can browse, search, and rent vehicles, while admins and suppliers manage inventory and rental history. Security is ensured with JWT authentication, and the system is built with Spring MVC and PostgreSQL for robust data management.
- **E-Commerce Web Portal**: Led the development of a multi-user e-commerce portal using Angular for the frontend and Spring Boot for back-end services, with JWT-based authentication to ensure secure access.

Certifications

- **IBM DevOps and Software Engineering**
- **Oracle Certified Java Programmer (OCJP)**