Rahul Shivanathri

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Java Full Stack Developer • Portfolio • LinkedIn

PROFESSIONAL SUMMARY

Innovative and results-driven **Software Development Engineer** with **5+ years** of experience in designing and delivering **scalable**, **high-performance** enterprise and web applications. Specializes in **Java (Java 17), Spring Boot,** and **Microservices**, leveraging **AWS** for cloud-centric deployments and **Docker/Kubernetes** for containerization. Skilled in building **CI/CD** pipelines (Jenkins, GitLab) to automate workflows and speed up software delivery. Proficient in **event-driven** architectures using **Apache Kafka** and well-versed across the **full stack**, integrating front-end frameworks like **Angular** and **React**. Thrives in **Agile** environments, committed to performance optimization, code quality, and continuous improvement.

CORE SKILLS & EXPERTISE

- **Languages & Frameworks**: Java (17), Node.js, JavaScript, Spring Boot, Spring MVC, Hibernate, RESTful APIs, Microservices Architecture
- **Front-End**: Angular, React, HTML5, CSS3, Bootstrap
- **Cloud & DevOps**: AWS (EC2, Lambda, S3, IAM), Docker, Kubernetes, Jenkins, GitLab CI/CD, Terraform, SonarQube
- **Databases**: MySQL, PostgreSQL, MongoDB, Cassandra (Performance Optimization, Scalability)
- **Messaging & Streaming**: Apache Kafka, ActiveMQ, JMS (Event-Driven Architecture)
- **Testing**: Maven, JUnit, Mockito, Postman, Automated Testing
- **Methodologies**: Agile (Scrum), TDD, Code Reviews
- **Performance & Reliability**: Performance Tuning, High Availability, Load Balancing, Caching Techniques
- **Collaboration**: Cross-Functional Communication, Project Leadership, Process Optimization

PROFESSIONAL EXPERIENCE

USAA Global — *Dallas, TX* Java Full Stack AWS Developer (May 2024 – Dec 2024)

- **Developed microservices** using Spring Boot for **password authentication** and **Member Service Representative (MSR) management**, enhancing **system reliability**, **security**, and **user experience**.
- **Built and exposed RESTful APIs**, improving **service interaction** and streamlining **user authentication** across the platform.
- Integrated **Apache Kafka** for **real-time event streaming** improving performance and reducing event delays for faster user access.
- **Managed AWS EC2, Lambda, and IAM** for **scalable**, **secure**, and **cost-efficient infrastructure**, ensuring seamless authentication and secure data access.
- **Automated development workflows** by implementing CI/CD pipelines via GitLab, accelerating the delivery of authentication and MSR features and reducing **time-to-market**.
- **Utilized Docker** with AWS to containerize applications, ensuring **consistency** across development, staging, and production environments while optimizing **deployment** and **scalability**.
- **Collaborated in an Agile environment**, delivering key features **on time** and aligning solutions with **business objectives** to drive customer satisfaction.

Digital Ellanky — *India* Java Lead Engineer (Jan 2022 – Aug 2022)

- Led the design and development of **microservices** using Spring Boot, ensuring **scalability** and **maintainability** across industries such as **healthcare**, **education**, and **e-commerce**.
- Automated **infrastructure management** with **AWS CloudFormation**, enhancing **consistency** and **scalability** while reducing **manual deployment overhead**.
- Engineered and integrated **RESTful APIs** for seamless communication between **new services** and **legacy systems**, optimizing system performance.
- Secured applications with **Spring Security** and **role-based access control**, safeguarding data for industries like **finance**, **IT**, and **real**
- Designed and optimized **responsive front-end interfaces** using **React.js**, **AngularJS**, and **Bootstrap**, improving user experiences for **gaming**, **luxury**, and **entertainment** clients.
- Streamlined development processes by implementing **CI/CD pipelines** via **GitLab**, accelerating testing, builds, and deployments for **faster, reliable software delivery**.
- Optimized **data storage** using **DynamoDB**, enhancing **system performance** and scalability for clients in **e-commerce** and **IT** sectors.

Jiyyo Innovations — *India* Java Full Stack Developer (Jul 2021 – Jan 2022)

- **Designed and deployed** Spring Boot microservices for the Jio Mitra e-Clinic platform, serving remote communities across rural India.
- Designed and implemented RESTful APIs to enable seamless communication between microservices, optimizing data flow and system efficiency.
- Implemented **AWS Lambda** for serverless functions, providing cost-effective scalability during high-demand periods.
- Ensured **robust security** by combining JWT with Spring Security, safeguarding patient data and managing secure user access.
- Built **responsive UIs** using React.js and Bootstrap, making telemedicine interfaces intuitive for patients with limited technical expertise.
- Optimized backend interactions with **Hibernate ORM** and MongoDB, reducing query times and improving data retrieval.
- Created an **event-driven architecture** using Apache Kafka, enabling real-time data streaming between clinics and city-based doctors for immediate consultations.
- Containerized applications with **Docker**, ensuring consistent environments and smoother deployments.
- Collaborated within **Agile** teams for Jio Mitra e-Clinic and Jio Lyfe app development, participating in sprint planning, reviews, and retrospectives for continuous improvement.

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

- Developed **Spring Boot microservices**, focusing on high performance and reliability for enterprise-scale solutions.
- Created **RESTful APIs** for AngularJS front ends, optimizing data flow and user interactions and Supported 500K daily active users
- Utilized **AWS EC2** and **S3** for cloud hosting and storage, balancing performance needs and infrastructure costs.
- Automated build and deployment pipelines with **Jenkins**, minimizing manual intervention and speeding up releases.
- Integrated **ActiveMQ** for real-time messaging, enabling efficient event handling and minimizing latency in data streaming.
- Containerized applications via **Docker**, standardizing environments across development, testing, and production.
- Built a **production checkout tool** to proactively monitor system health, preempting downtime and boosting uptime.
- Engaged in **Scrum** processes, from daily stand-ups to retrospectives, ensuring transparent communication and timely feature completion.
- Provided **production support**, rapidly diagnosing and resolving critical issues to maintain high availability.

Sapient Public Sector — *India* Java Full Stack Developer (Mar 2018 – Jul 2018)

- Implemented **Spring MVC** applications, emphasizing modular design for easier updates and maintenance.
- Linked **MySQL/Oracle** databases for high-volume transaction support and optimized queries.
- Exposed **RESTful APIs** with Spring MVC, aligning real-time data access with AngularJS-based front ends.
- Leveraged **reusable Spring components**, reducing development time and streamlining new feature addition.
- Enhanced production stability through **robust exception handling** and error management.
- Improved **CI/CD pipelines**, accelerating build-test-deploy cycles while reducing human error.
- Conducted testing using JUnit**, Mockito, and Postman**, ensuring high-quality code through automated testing practices.

KEY PROJECTS

- **EventSphere**
  End-to-end event management platform secured with **OAuth2** roles (admins, users). Admins manage events in multiple cities; users can register, Wishlist, and search. Integrated **AWS S3** for efficient image storage and retrieval.
- **FleetMaster**
  Spring Boot–based vehicle rental system with **JWT** authentication for admin, user, and supplier roles. Users can browse and rent vehicles while admins and suppliers manage fleet inventory and rental history. Data stored in **PostgreSQL** for robust transaction support.
- **E-Commerce Web Portal**
  Multi-user e-commerce platform using **Angular** front end and **Spring Boot** back end. Implemented **JWT-based authentication** to safeguard transactions, enabling product browsing, cart management, and secure checkout.

EDUCATION

- **Master of Science in Information Systems Technology**   *Wilmington University, DE, USA (Dec 2023)*
  - *Relevant Coursework:* IT Policy & Strategy, Info Security, Data Management & Design, Networking, Project & Change Management, Cloud Management, Web & Data Security, Incident Handling, OS & System Security, Field Internship
- **Bachelor of Technology in Computer Science Engineering**   *Anurag Group of Institutions, India (Mar 2017)*

CERTIFICATIONS

- **Java Enterprise Apps with Devops - from NIIT.**
- **Received Java Certification from IIT Bombay**
- **TASK : Oracle certified**