

NAGAMANI YARRAMREDDY

Software Developer

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SUMMARY

An experienced Java developer with a strong background in backend development. Proficient in Java tech stacks, Spring, and Spring Boot, with experience in microservice architecture. Knowledgeable in DevOps practices, including AWS/GCP cloud, Docker, and Kubernetes, as well as CI/CD pipelines for efficient software delivery. Dedicated to staying updated with the latest advancements to deliver innovative and high-quality products.

SKILLS

- **Back-end** - Java – Spring Boot - Spring MVC – Hibernate (JPA) – Microservices – Python - Kafka
- **Front-end** - HTML - CSS - JavaScript – ReactJS - Angular.
- **DB and DevOps** - Oracle DB - MongoDB - CI/CD – Git - Jenkins - Docker - Kubernetes - AWS Core Services – EKS.

WORK EXPERIENCE

Full stack Java developer - Accenture, Hyderabad, India

Oct 2021 – Nov 2024

- Developed various REST endpoints for security and network inventory-related features, allowing users to log in via different methods like **1FA and 2FA**, serving around 60% of the user base.
- Successfully migrated 50% of the legacy **Java application to Spring boot**, incorporating necessary code changes according to the latest version, and deploying them in UAT environments.
- Conducted black-box testing with the **Rest-Assured framework and Selenium** to ensure system robustness and reliability. Additionally, created mocks for database and web client calls, improving test coverage and minimizing reliance on external systems.
- Managed the deployment of microservices through **Jenkins pipelines**, ensuring seamless deployment to **AWS EC2 and EKS**. Validated each pipeline stage, including Unit Testing, JFrog, Nexus, SonarQube, and Fortify, to ensure smooth and secure deployments.
- **Tools & Frameworks:** Java 8 & 17, Spring Boot 2.x & 3.x, Spring 5 & 6(MVC, Security, Data), JPA (Hibernate), Fast API (Python 3), JSP, JavaScript, HTML & CSS, jQuery with Ajax, Angular 13+ (TypeScript), Oracle SQL Server, GCP GKE & Core Services, Azure AD(OIDC), Key Cloak, Lang Chain, Llama Index, Hugging Face Transformers, FAISS, Streamlit.

Full stack Java developer/UIM developer – Teliolabs Communications Pvt Ltd, Hyderabad, India

Nov 2024 - Present

- Developed and deployed a scalable full-stack application using React JS for the frontend and Java, Spring Boot for the backend, hosted on AWS, reducing deployment time by 40% through automation.
- Implemented RESTful APIs in Java using Spring Boot, optimizing endpoints response time by 30% with efficient database queries and caching strategies.
- Integrated Key cloak for centralized authentication and role-based authorization, enabling secure access control for Super Admin, and User roles.
- Used Postman tool & Swagger documentation for sending the REST endpoints to the Front-End.
- Built Restful APIs with spring boot and java to support real-time processing, enabling seamless integration across multiple telecom services and applications.
- Developed a Resume Management Module supporting both custom resume creation and pre-built templated customization, improving user experience and flexibility
- **Tools & Frameworks:** Java 8, Spring Boot 3.x, Spring 6(MVC, Security, Data), JPA(Hibernate), React JS 13+ (Java Script), Oracle SQL Server, AWS Core Services (EC2, EKS, S3, Lambda's), Key Cloak, Microservices, Rest API's.

PROJECTS (Client -Wind Tre, Italy)

Privilege Access Management

- Developed critical endpoints for 1FA and SMS OTP 2FA login within a fault-tolerant service. Implementing redundancy strategies to ensure continuous access to essential systems. Created various REST endpoints for security features, enabling users to log in through 1FA and 2FA methods.

Network Inventory Migration

- Successfully migrated the legacy network inventory application to Spring boot and Angular. Configured the applications for compatibility with the latest versions, migrated configuration properties, and implemented microservices - specific secrets for enhanced security. Ensuring uninterrupted service availability across all environments.

Biz-Assist-AI

- Developed an AI-powered Retrieval – Augmented Generation (RAG) application for English – to – SQL conversion, enhancing customer service by automating data and statistics generation through AI – driven queries.
- Fine – tuned open – source language models, including Mistral 7B and Llama 7B, with custom data and integrated them with network inventory databases for efficient natural language querying.

Tata Tele Business Services (TTBS)

- Deployed and managed the TTBS applications like **UIM**, NMS on the cloud native platform, and developed **RESTful APIs using Spring Boot** and Java to handle real-time data processing and provide seamless service integration.
- Optimized system performance by fine-tuning, java-based services, improving response time by 25%.
- Implemented secure user authentication and integrated payment gateways, improving checkout efficiency and reducing cart abandonment by 20%.

K2 Kconnect:

- **Implemented centralized authentication and role-based authorization** using **Key cloak**, securing platform access for Super Admin, Admin, and User roles, fully integrated via **OAuth2 / OIDC protocols**.
- **Developed a dynamic Resume Management Module** using **Java (Spring Boot)** for backend and **React** for the frontend, allowing users to create resumes from scratch or customize pre-built templates with real-time form updates.
- **Built a modular document management system** supporting versioned agreements (NDAs, Vendor, Sales) with secure storage and controlled access based on user roles, leveraging **Spring Security** and **RESTful APIs**.
- **Engineered organization onboarding workflows** to capture essential data—such as financials, documents, and associated users—using a **microservices-based backend architecture** and interactive React UI components.
- **Designed a scalable and normalized schema in PostgreSQL**, with well-separated tables for users, organizations, resumes, agreements, and financial information, ensuring high performance and data consistency.
- **Achieved modular access and clean separation of tenant data** by centralizing operations within a **master schema**, using **Hibernate (JPA)** and role-based data filtering for multi-tenant support.

EDUCATION

June 2017- July 2021
Ongole, Andhra Pradesh

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- B. Tech, Information Technology with 8.23 CGPA-2017 from JNTUK, Pace institute of Technology and Sciences

Achievements

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- Recipient of the Q4, FY24 Multi-Dimensional Skill Champion Award in the Individual category at Accenture my competency Awards.
 - Receiving Flairs to Complete the Italian Language A1 (Beginner) and A2 (Intermediate) levels.
 - Recipient of the Sparkling Stars Award twice in August and December 2023 for exceptional contributions to Development.

CERTIFICATIONS

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- **GCP Certified Associate Cloud Engineer.**
 - **Oracle Certified Associate**, Java SE 8 Programmer.
 - **Oracle certified Associate**, AI Foundation Associate