Jaya Naga Prakash Thota

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PROFILE

- **Full Stack Developer with 3+ years of experience** in building **scalable web applications and microservices** using **Java, Spring Boot, React, and AWS**, optimizing API performance, and implementing real-time event-driven architectures with **Apache Kafka**.
- Expertise in **cloud deployments (AWS), CI/CD automation (Jenkins, GitHub Actions), and database optimizations (Oracle, Elasticsearch, Redis)**, ensuring high-performance, secure, and efficient application development.

SKILLS

Programming Languages: Java, Python, JavaScript, Typescript, HTML, CSS, SQL

Frameworks & Libraries: Spring Boot, React, Node.js, Hibernate JPA, Mockito, JUnit, Microservices, Pandas, NumPy

Databases: ElasticSearch(NoSQL), AWS Redis, Oracle DB(SQL)

Development Tools: Splunk, Apache Kafka, SonarQube, Kibana UI, Postman, Eclipse, IntelliJ, Visual Studio, Maven, Jupyter Notebook, CI/CD (Jenkins, GitHub Actions, Bitbucket Pipelines), Object-Oriented Programming (OOP), REST API, Docker, Kubernetes

Agile & Project Management: Jira, Confluence, Agile, Sprint Planning, Product Roadmap Planning, Test-Driven Development (TDD)

PROFESSIONAL EXPERIENCE

ADP Private Limited, *Member Technical*   11/2021 – 07/2023 | India

- Designed and implemented **high-performance APIs** in **Java**, utilizing **Elasticsearch(**NoSQL databases**)** as the primary database, optimizing **Oracle DB(**SQL databases) **calls by 40%,** and enhancing operational efficiency. Integrated **Apache Kafka** for real-time updates and leveraged **Git for version control**, streamlining **deployment** and **collaboration**.
- Optimized **API performance** using **Dynatrace** and reusable functions, **boosting efficiency by 20%**, while ensuring **99% uptime** through proactive issue resolution.
- **Migrated data pipelines** from **Oracle DB** to **Elasticsearch**, optimizing storage and caching by using **DynamoDB** for frequently accessed metadata and **Redis Cache** for **30% faster responses**. Built **Splunk dashboards** to enhance **monitoring**, **cutting issue resolution** time by 40%.
- Deployed APIs in a **scalable** and **reliable** environment while implementing **secure authentication** and access controls for **resource permissions**.
- Implemented a robust **Kafka event processing** failure handling mechanism using **dead-letter queues** (DLQ) and exponential backoff retries, ensuring **99.9%** message processing reliability and **minimizing data loss**.
- Developed and **automated API test suites** using RestAssured and **Postman**, ensuring robust API validation and reducing manual testing efforts by **50%.**
- **Enhanced API performance** by resolving bottlenecks, leading to a 10% improvement in response times. Actively contributed to **Agile/SCRUM** and maintained 100% traceability of **technical documentation**.
- Documented and maintained all technical aspects of the project, ensuring **100% traceability** of code changes, design decisions, and **AWS infrastructure** configurations for future reference.
- **Collaborated** with global teams across multiple time zones, demonstrating **strong communication skills** in English for seamless project execution.
- **Collaborated with cross-functional teams** to design and implement **cloud-based microservices architectures**, ensuring seamless **integration**, **scalability**, and enhanced **system reliability**, resulting in improved system throughput by **25%**.

Infec Private Limited, *Software Developer*   06/2020 – 11/2021 | India

- Designed & developed **RESTful APIs** using **Java, Spring Boot**, optimizing **integration, performance, and SQL queries** for efficient data retrieval.
- Implemented robust **POST APIs** for **UI-triggered changes**, ensuring seamless data flow, efficient **front-end integration validation**, and enhanced **system performance**.
- Developed and enhanced **UI components** using **React**, improving **user experience** and ensuring seamless integration with **RESTful APIs** for dynamic **data rendering**.
- Experienced in **unit testing** with **JUnit**, maintaining **code quality** through **refactoring** and efficient **Java codebase management**, while using **Kubernetes, Git, Jenkins, and Maven** to streamline and automate software delivery.
- Contributed to **Agile/SCRUM**, participating in **standups, sprint planning, retrospectives, and quarterly planning** for timely delivery and project alignment.
- Worked with the **manager, PO, and architect** on requirements and **code reviews** to ensure **test readiness**. Built **Splunk dashboards and alerts** across environments (**DIT to PROD**) for **real-time monitoring** and **proactive issue resolution**.
- Integrated **Apache Kafka** for real-time event-driven architecture, ensuring reliable message streaming and improved system scalability.
- Optimized **database queries** and indexing in **PostgreSQL/Oracle** to enhance **data retrieval performance** and reduce response times.
- Developed and maintained **CI/CD pipelines** using **Jenkins and GitHub Actions**, automating build, test, and deployment processes for increased efficiency.

EDUCATION

Master of Science in Mathematics and Computer Science,   08/2023 – 12/2024 | United States
The University of Texas at Arlington   .

Bachelors, Computer Science and Engineering,,   06/2015 – 05/2020 | India
Sri Chundi Ranganayakulu Enginnering College