Jaya Naga Prakash Thota

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PROFILE

- **Full Stack Java Developer** with 5 **years** of experience in building and optimizing **high-performance**, **scalable web applications** and **microservices**, leveraging technologies like **Java**, **Spring Boot**, **React.js**, **Node.js**, **Kafka**, **Redis**, **Elasticsearch**, and **AWS** to enhance system architecture, **real-time data processing**, and **cloud deployment**.
- Expertise in **API development**, **database optimization**, and **fault-tolerant architectures**, with a strong focus on implementing **CI/CD pipelines** using **Jenkins**, **GitHub Actions**, and **Docker**, as well as integrating **machine learning** models for advanced **data analytics** and **business intelligence** in **Agile** environments.

SKILLS

Programming Languages: Java, JavaScript, TypeScript, HTML, CSS, SQL, Python, Scala, Spark

Frameworks & Libraries: Spring Boot, Hibernate JPA, React, Redux, Node.js, Express.js, Bootstrap, Sass, Mockito, JUnit, Microservices, J2EE, Pandas, NumPy, Scikit-Learn, XGBoost, Resilience4j

Databases: AWS ElasticSearch, AWS Redis, Oracle DB, MongoDB, PL/SQL

Development Tools: Splunk, Apache Kafka, Git (Bitbucket, GitHub), SonarQube, Kibana UI, Postman, Eclipse, IntelliJ, Visual Studio, Webpack, Grunt, Maven, Log4J, Jupyter Notebook

Agile & Project Management: Jira, Confluence, Agile (Scrum, Kanban), Sprint Planning, Product Roadmap Planning

Cloud & DevOps: AWS (EC2, S3, IAM, CloudWatch), Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions, Bitbucket Pipelines), Secure Socket Shell (SSH), PuTTY

PROFESSIONAL EXPERIENCE

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

- Designed and implemented **high-performance APIs** in **Java**, utilizing **Elasticsearch** as the primary database, optimizing **Oracle DB 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 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.

AbhiBus Services India Private Limited, *Software Developer Intern*   12/2018 – 05/2019 | india

- Developed **Python** application with **React.js front-end**, utilizing **HTML** and **CSS** for responsive and visually appealing web pages,
- enabling competitor **data extraction** and **comparative analysis**.
- Engineered a high-performing **machine learning algorithm** in **Python** with a **90.4% accuracy rate** for **predictive analysis,** seamlessly integrating it into the **React.js front-end** for real-time data prediction and display.
- Conducted **factor analysis** using Python and **integrated** the results into the React.js user interface, providing intuiti **data visualization**
- components for effective **interpretation** and **strategic** insights.

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 – 05/2019 | India
Sri Chundi Ranganayakulu Enginnering College