Sathvik Jasti

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Summary

Software Engineer with 2+ years of experience in Java application development, Spring Boot, Hibernate, and React.js. Proficient in building scalable applications with frontend frameworks and backend APIs, managing CI/CD pipelines using Jenkins, Git, and Maven. Hands-on experience with messaging systems (Kafka), Oracle/PostgreSQL databases, MongoDB, and Agile development practices. Self-motivated team player with strong collaboration skills across global teams, passionate about delivering reliable solutions in fast paced environments.

Professional Experience

Full-Stack Developer | Orbit Analytics, Atlanta, GA   May 2024 - Present
- Developed backend services for analytics platform using Java 8-17, Spring Boot, and Hibernate, implementing Kafka messaging for event-driven architecture while optimizing Oracle database queries and Redis caching to improve API response times and reduce system latency
- Built RESTful APIs and responsive web components using Spring MVC and React.js, working with stakeholders to translate functional requirements into technical implementations for financial reporting features
- Supported production environment by troubleshooting database issues, refactoring Oracle PL/SQL stored procedures, and implementing performance improvements to reduce recurring errors and system bottlenecks
- Collaborated with senior developers to integrate third-party APIs into existing J2EE application, implementing error handling and retry logic while containerizing services with Docker for AWS EC2 deployment
- Contributed to establishing automated testing framework using JUnit and Mockito, writing unit and integration tests to improve code quality and streamline CI/CD pipeline with Jenkins

Web Developer | Florida Institute of Technology, Melbourne, FL   Aug 2023 - May 2024
- Designed and built full-stack web application using React.js, Spring Boot, and Hibernate with Google Cloud SQL backend, implementing Spring MVC architecture and RESTful APIs to serve research content to faculty and students
- Developed meeting scheduler module using Spring Data JPA and MySQL, integrating real-time notifications through Google Pub/Sub and Firebase Cloud Messaging to automate room booking workflow
- Containerized Spring Boot backend services with Docker and deployed on Google Cloud Run, setting up CI/CD pipeline with Cloud Build to enable faster and more reliable deployments
- Integrated Dialogflow CX chatbot through Cloud Functions and backend APIs to handle user queries, working closely with faculty stakeholders to gather requirements and refine features based on feedback
- Implemented authentication system using Spring Security with JWT tokens and role-based access control, ensuring secure access to research data and meeting university security standards

ML Intern | AirQuery, Hyderabad, India   Aug 2022 - May 2023
- Contributed to AI-powered document Q&A system by developing REST APIs using Python and Java Spring Boot, collaborating with team members to expose ML features for document summarization and keyword extraction
- Worked on PostgreSQL and MongoDB database design to store document metadata and embeddings, writing SQL queries and optimizing data retrieval for document search functionality
- Supported Agile development cycle through sprint planning and requirements analysis, handled production deployments and resolved bugs reported during testing phases to maintain system stability

Projects

Contract: **Solar Data Automation Project** | Infinite Photon Energy, Texas, USA

- Built an automated data pipeline to fetch, parse, and consolidate 15-minute solar energy and price data from ERCOT CSV/ZIP files and Photon facility APIs into Google Sheets.
- Designed dual ETL workflows (historical full-load + incremental 15-minute updates) with deduplication logic, ensuring consistent and accurate reporting.
- Integrated with ERCOT JSON APIs to download new market files and with Photon APIs to validate power and accumulated energy data across sources.
- Implemented automated revenue calculations, converting technical energy readings into business-critical financial metrics for reporting and analysis.
- Created daily completeness trackers (96 intervals/day & file-level monitoring) and optimized batch inserts to keep scripts within Google Apps Script execution limits.

Personal: **FILEDROP:** Full-Stack File Storage Application

- Designed and developed a complete web application with a responsive React.js front-end and a secure Spring Boot back-end.
- Implemented a RESTful API to handle all file operations, user authentication, and metadata management.
- Utilized AWS services for a scalable infrastructure, including S3 for object storage, DynamoDB for metadata, and Lambda for serverless processing.
- Worked with version control systems (Git) for source code management and provisioned infrastructure as code using Terraform.

Technical Skills

Languages & Frameworks: Java (8-17), J2EE (Servlets, JSP, JDBC), Spring Framework (Spring Boot, Spring MVC, Spring Data JPA, Spring Security), Apache Kafka, Hibernate ORM, Python, JavaScript (ES6+), React.js, Redux

Database Technologies: Oracle Database, Oracle SQL (Stored Procedures, Packages, Functions), MySQL, PostgreSQL, MongoDB, Redis, AWS DynamoDB, Google Cloud SQL

Web Technologies: RESTful APIs, Microservices Architecture, Responsive Web Design, HTML5, CSS3, JSON, XML

Cloud & DevOps: AWS (EC2, S3, RDS, Lambda), Google Cloud Platform (Cloud Run, Cloud SQL, Cloud Functions, Pub/Sub, Cloud Build), Docker, Jenkins, CI/CD Pipelines, Terraform, Git/GitHub, Maven

Development Practices: SDLC (Agile/Scrum), Requirements Analysis, Software Design, Test-Driven Development (JUnit, Mockito), Production Support, Performance Optimization, Stakeholder Management, Client Interfacing

Tools: JIRA, Postman, Swagger/OpenAPI, IntelliJ IDEA, Eclipse, SQL Developer, Dialogflow CX, Firebase

Education

Master of Computer Information Systems	Aug 2023 - May 2025
Florida Institute of Technology, Melbourne, FL	

Bachelor of Technology in Artificial Intelligence	Aug 2019 - Apr 2023
Vidya Jyothi Institute of Technology, India	