JAY SRAVAN VADLAMUDI

Email: jay.sravan.dev @gmail.com **Cell#: 7343947436**

SUMMARY

Senior Java Full Stack Developer with 6 years of experience building scalable, secure, and cloud-native applications across logistics, automotive, and finance industries. Proficient in Java (8–21), Spring Boot, Angular (up to v17), and AWS. Demonstrated success in designing microservices, streamlining CI/CD pipelines, and deploying cloud-based solutions using Docker, OpenShift, and ArgoCD. Known for strong DevOps integration, Agile collaboration, and delivering production-ready solutions with 99.9% uptime and 30–50% cycle time improvements.

TECHNICAL SKILLS

Languages	Java (8- 21), JavaScript (ES6+), TypeScript, C, C++, Python, PHP, SQL, PL/SQL, XML, JSON, Sass
Frontend Technologies	HTML5, CSS3, Bootstrap, Angular (up to 17), React.js, Redux, React Hooks, GraphQL, AJAX, jQuery, Material UI
Backend & Frameworks	Spring Boot, Spring MVC, Spring Data JPA, Hibernate, Express.js, Flask, Django, Apache Camel, Node.js, EJB, JMS, SOAP, RESTful Web Services
Cloud & DevOps	AWS (Lambda, ECS, API Gateway, S3, SQS, SNS, Glue, Kinesis), GCP (GKE, Cloud Monitoring), Azure DevOps, Jenkins, Docker, OpenShift, Argo CD, uDeploy, Gradle, Maven
CI/CD & Automation	Git, GitLab, GitHub, Jenkins, Azure Pipelines, uDeploy, Docker, Argo, Selenium WebDriver, JUnit, TestNG, Cucumber, Karma, Jasmine, Postman, Autosys
IDE	Eclipse, NetBeans, JETBRAINS-IntelliJ IDEA, Anaconda, Spyder, Valentina Studio, Visual Studio, Atom
Cloud Platforms	AWS(Amazon Web Services)
Big Data	Hadoop, Bigdata, HDFS, Map Reduce
Application Servers	Tomcat, IBM Web Sphere
Testing	Junit, JunitEE, QTP, Load Runner
Certifications	AWS Certified Developer – Associate

PROFESSIONAL EXPERIENCE

Client: United Parcel Service, Inc. | Parsippany, NJ **Mar 2024 - Present**
Role: Software Development Engineer – Java Full Stack
Domain: Logistics – International Package & Customs Processing (UK, UAE, CA)
Responsibilities:

- Designed and deployed 10+ microservices for customs and logistics using **Java 21**, Spring Boot WebFlux, and Apache Camel, improving customs processing time by 30%.
- Built **reactive pipelines** using **Reactor (Mono/Flux)**, enabling 40% faster non-blocking data transfer between customs modules.
- Optimized asynchronous HTTP calls using **WebClient** and **MDC**, enhancing traceability of 100k+ transaction logs per week.
- Engineered modular REST APIs using Spring annotations, reducing integration time for new customs rules by 25%.

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- Integrated **Google Pub/Sub** and **ActiveMQ** to streamline queue handling, ensuring 99.9% uptime for customs message delivery.
- Built a DAO abstraction layer with **SimpleJdbcCall** and **RowMapper**, improving database response time by 20%.
- Streamlined request validation and error handling using **Interceptor** and **Global Exception Handler**, reducing error response time by 35%.
- Applied **Strategy Pattern** for country-specific customs logic, reducing maintenance overhead by 30% and increasing scalability.
- Implemented caching with 15-min TTL via **ConcurrentMapCacheManager**, reducing DB load and speeding up UI data retrieval by 40%.
- Deployed microservices to **OpenShift (OCP)** using **ArgoCD with Helm charts**, leveraging GitOps workflow for controlled rollouts.
- Automated CI/CD pipeline using **Jenkins**, **Azure DevOps (YAML)**, and **Docker**, reducing deployment time by 50%.
- Secured pipelines using HashiCorp Vault and tracked artifact versions with JFrog, reducing security incidents by 20%.
- Created Angular 17 dashboards for customs operations, enabling real-time tracking and reducing manual lookup time by 50%..
- Enforced endpoint security with **OAuth2.0** and **JWT**, achieving full compliance with internal audit and third-party partner policies.

Client: Mercedes Benz Financial Services | Farmington Hills, MI **Mar 2022 – Mar 2024**
Role: Software Development Engineer – Java Full Stack
Domain: Automotive Finance and Leasing Platforms
Responsibilities:

- Led the modernization of vehicle finance platform by migrating legacy apps from **Struts** to **Angular 17** and **Spring Boot**, reducing maintenance by 40%.
- Engineered Java-based microservices to handle loan payments and lease tracking, improving transaction throughput by 25%.
- Secured API access with OAuth 2.0 and JWT, enabling compliance with Mercedes' third-party security standards.
- Improved backend efficiency by optimizing DB2/PostgreSQL queries and stored procedures, reducing query time by 30%.
- Monitored batch jobs and logs on Linux VMs, resolving errors to maintain 100% SLA adherence for financial reports.
- Built Angular 17 dashboards with RxJS and NgRx, reducing agent response time by 35% through faster UI navigation.
- Automated CI/CD pipelines with Jenkins and AWS CodeDeploy, reducing deployment rollback incidents by 40%.
- Led Agile development cycles using Jira, delivering critical modules on-time across 20+ sprints.
- Enforced OAuth-based session tracking to align with internal data governance and ensure secure customer access.
- Participated in DevOps alignment by containerizing applications using **Docker**, improving test and release cycles by 30%.

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Client: Elavon – U.S. Bank | Detroit, MI **April 2020 – Dec 2022**
Role: Java Full Stack Developer
Domain: Payments / FinTech
Responsibilities:

- Developed and secured REST APIs for credit card transaction processing using Java 11, Spring Boot, and Hibernate.
- Integrated payment tokenization and transient token APIs for PCI-compliant secure payments.
- Collaborated with frontend team to build React-based merchant dashboards for transaction tracking and reporting.
- Designed batch jobs using Spring Batch to reconcile settlement reports daily across 3 global regions.
- Used Docker for local testing environments and deployed to AWS ECS clusters.
- Implemented OAuth2 and JWT-based authentication flows for partner-facing APIs.

ACADEMIC PROJECTS

2021-01 - 2021-04 K-means Clustering
University Of Michigan Dearborn, Dearborn, MI
Implement external validation methods to compare automatically generated partitions with external ones. External measures such as entropy, purity and mutual information are often used to evaluate *K*-means clustering. However, whether these measures are indeed suitable for *K*-means clustering remains unknown. I used IRIS Dataset Technologies used are Java

2020-01 - 2020-02 Ecommerce Database
University Of Michigan Dearborn, Dearborn, MI
Ecommerce Database is created to track products, customers, and transactions. The purpose of the project is to develop a database for the ecommerce website which it can be able to track the products, customers, transactions, and
it is created as relational database which we can combine all the tables and retrieve the data very easily. Database is built using “POSTGRESQL” and “Valentina Studio”.

EDUCATION

- **M.S.** in Computer and Information Science
  University of Michigan – Dearborn, MI | 2021

- **B.Tech** in Electronics and Communication Engineering
  V R Siddhartha Engineering College – India | 2019

CERTIFICATIONS

- AWS Certified Developer – Associate