

**Pooja N**  
**Full Stack Developer**  
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**Saint Louis, Missouri**

**Professional Summary**

Full Stack Developer with **4 years of experience across the full Software Development Life Cycle (SDLC)**, specializing in building scalable and secure backend applications using **Core Java and the Spring Framework**. Strong expertise in **Spring Boot-based microservices**, RESTful API development, **Spring Security**, and database integration using **JPA/Hibernate** and JDBC. Experienced in working with **relational and NoSQL databases** to support high-performance, data-driven applications.

Hands-on experience in developing responsive web applications using **Angular, TypeScript, HTML, and CSS**, and deploying applications on **AWS cloud platforms** using Docker-based environments. Proficient in **CI/CD automation with Jenkins**, unit testing with **JUnit and Mockito**, and working in **Agile teams** using JIRA and Git. Known for writing clean, maintainable code and delivering reliable solutions that meet business and performance requirements.

Earned a master's in computer science, excelling in **algorithms, data structures, system design, and AI/ML**, with proven ability to translate emerging technologies such as LLMs into real-world, production-grade applications

**TOOLS AND TECHNOLOGIES:**

**Programming Languages:** Java, Python, JavaScript (ES6+), SQL

**Backend & Frameworks:** Spring Boot, Spring Framework, Spring Cloud, Spring Security, Spring Batch, Hibernate, JPA, Node.js

**Frontend Technologies:** Angular, TypeScript, HTML5, CSS3, Bootstrap

**Databases:** PostgreSQL, MySQL, Oracle, MongoDB, Redis

**Messaging & Streaming:** Apache Kafka, RabbitMQ

**Cloud Platforms:** AWS (EC2, S3, Lambda, API Gateway, EKS), Pivotal Cloud Foundry (PCF)

**Containers & DevOps:** Docker, Kubernetes, Jenkins, GitHub Actions, Maven

**Testing & Quality:** JUnit, Mockito, JMeter, SonarQube

**Monitoring & Logging:** Splunk, Dynatrace, Prometheus

**Security:** OAuth 2.0, JWT, TLS/SSL, RBAC

**Tools & Collaboration:** Git, GitHub, JIRA, Rally, Confluence, IntelliJ IDEA, Eclipse

**PROFESSIONAL EXPERIENCE:**

**Mastercard, Saint Louis, United States**

**Feb 2024 – Present**

**Role:** Software Development engineer

**Functional Role Details:**

- Worked on the **Stand-In Self-Service platform** built on a **microservices architecture**, enabling issuers to configure and manage **stand-in transaction behavior** during issuer outages and delayed authorization responses.
- Designed and developed **backend microservices** using **Java and Spring Boot**, including **Spring Batch jobs** to process **stand-in rules, transaction limits, validations, and configuration data** supporting authorization workflows.
- Built and maintained **RESTful APIs** consumed by **Angular-based UI applications**, enabling secure configuration and management of issuer-specific settings.
- Integrated **Apache Kafka** to support **asynchronous, event-driven communication** between backend services, improving system decoupling and operational reliability.
- Worked extensively with **PostgreSQL** and **Oracle databases** to store and manage **customer account ranges** and **transaction limit data**, ensuring accuracy and consistent retrieval under high transaction volumes.
- Contributed to improving **service resiliency** and **performance** by implementing **caching strategies, API performance tuning, rate limiting, and autoscaling support** for high-load transaction scenarios.
- Participated in migrating backend services from **Java 11 to Java 17** and **Spring Boot 2.7 to 3.2.6**, addressing **Black Duck security vulnerabilities** while ensuring **zero functional impact** to existing systems.
- Developed a **Docker Compose-based proof of concept (POC)** to automate local **PostgreSQL provisioning** with **pre-initialized schemas and tables**, improving developer onboarding and **environment consistency**.

- Deployed and supported microservices and batch workloads on **Pivotal Cloud Foundry (PCF)** and implemented **CI/CD pipelines** using **Jenkins** for automated builds, testing, and deployments.
- Monitored applications and batch jobs using **Splunk** and **Dynatrace**, performed **root cause analysis**, and supported **staging and production** issues as a **secondary on-call engineer**.

**Fagron Sterile Services, Wichita, United States**

**Role:** Operational Excellence-Technical Intern

**Aug 2023 – Jan 2024**

#### **Functional Role Details:**

- Worked extensively with **Java** and **SQL** to support **data processing, validation, and transformation** tasks used in operational reporting pipelines.
- Developed and maintained **Java-based utility programs** to **clean, normalize, and validate large operational datasets** prior to analytics and visualization.
- Collaborated with **backend and analytics teams** to integrate data from **internal systems**, gaining hands-on exposure to **Java-based service workflows and data exchange patterns**.
- Built reusable **data-processing logic** using **Core Java concepts** including **collections, exception handling, and file-based I/O operations**.
- Analyzed operational data using **SQL**, preparing **structured datasets** consumed by dashboards and downstream reporting tools.
- Designed and maintained **Power BI dashboards** to visualize **KPIs, operational trends, and performance metrics** for leadership and operations teams.
- Participated in **continuous improvement initiatives** by translating **business and operational requirements** into technical data logic and actionable insights.
- Analyzed and reported **KPIs and project metrics** to senior leadership, supporting **data-driven decision-making** using statistical analysis and historical trend evaluation.
- Tracked and managed **process improvement activities** using **ClickUp**, ensuring accurate reporting of **project status, timelines, and deliverables**.

**Reece Group, Hyderabad, India**

**Dec 2021 – July 2022**

**Role:** Operational Excellence-Technical Intern

- Worked on backend application development using **Java** and **Spring Framework**, focusing on **customer and order data evaluation, transformation, and manipulation** across internal systems.
- Implemented **Spring Boot-based microservices** to efficiently process messages within an **Apache Kafka cluster**, supporting asynchronous and scalable data processing.
- Developed backend modules to **reconcile customer and order data** across multiple systems, identifying **data inconsistencies** and reporting discrepancies to support **operational accuracy and business compliance**.
- Applied **Spring Cloud** concepts to build **scalable and distributed applications**, contributing to improved system architecture and service reliability.
- Designed and maintained multiple **Java components integrated with Oracle SQL databases** for **report generation, data extraction, and operational reporting needs**.
- Migrated existing **AngularJS controllers and services to Angular 8 components**, improving application responsiveness, maintainability, and reducing framework dependency issues.
- Developed **interactive and responsive web applications** using **HTML, CSS, Bootstrap, and JavaScript**, utilizing **AJAX** for asynchronous data loading and **jQuery** for efficient DOM manipulation and event handling.
- Implemented **RESTful APIs** using **Spring MVC and Spring Boot**, and deployed microservices on **Pivotal Cloud Foundry (PCF)** to support scalable runtime environments.
- Configured and supported **CI/CD pipelines using Jenkins**, enabling automated builds and deployments, and actively used **Eclipse IDE** for development and debugging activities.

#### **EDUCATION:**

- Master of Science in Computer Science | Wichita State University | Wichita, Kansas

#### **CERTIFICATIONS:**

- AWS Certified Cloud Practitioner | Amazon Web Services
- Web development using React JS (workshop) at Osmania University
- A 2-day workshop on Cloud Computing held at CBIT