Aayushi Jain

aayushi12jain@gmail.com | +1 (346) 535 2503 |San Ramon, CA| LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

o Accomplished **Java Backend Developer** with **6+** years of hands-on experience delivering scalable, cloud-native web and enterprise applications, proficient in end-to-end **software development lifecycle (SDLC)** and **Agile methodologies**, supporting mission-critical systems across telecom, pharma, and enterprise domains.

o Deep expertise **in Core Java, Java 8+, and multithreading**, combined with strong backend development skills using **Spring Boot**, **Spring** Framework, and **Hibernate** for developing highly performant **microservices** architectures with **RESTful APIs** and event-driven systems.

o Proven ability to build distributed, loosely coupled microservices using **Spring Boot,** deployed on **Docker containers,** ensuring fault tolerance, elastic scalability, and modularization of business functions.

o Strong cloud computing background with hands-on experience in **AWS (EC2, S3, Lambda, IAM, CloudWatch, RDS),** implementing **CI/CD pipelines** using **GitHub Actions, GitLab CI,** and **Jenkins** to support automated builds, testing, and deployments.

o Experienced in **NoSQL** and **relational databases** including **MongoDB, PostgreSQL, MySQL,** and **Oracle,** with strong command of **SQL, PL/SQL procedures,** and **data consistency/integrity practices** for high-performance data access layers.

o Designed and implemented secure and scalable **REST/SOAP-based services** using **APIGEE Gateway,** ensuring low-latency, stateless, and modular API contracts for client integrations.

o Strong grasp of software design principles including **OOP, SOLID,** and **Design Patterns,** and practiced **test-driven development (TDD)** and **behavior-driven development (BDD)** in **Agile Scrum teams**.

TECHNICAL SKILLS

Programming Languages:	Java (Core Java, Java 8+), C++, C#, JavaScript, HTML5, CSS3
Backend & Frameworks:	Spring Boot, Spring Framework, Hibernate, Jakarta EE, JUnit, REST API, SOAP API, APIGEE Gateway, GraphQL
Microservices & Architecture:	Microservices Architecture, Event-Driven Systems, Domain-Driven Design, OOP, SOLID Principles, Design Patterns, Modular Architecture
Front-End Technologies:	Bootstrap, JavaScript, HTML5, CSS3
Cloud Platforms:	AWS (EC2, S3, Lambda, IAM, CloudWatch, RDS), Azure, Google Cloud Platform (GCP)
Messaging & Streaming:	Kafka, Redis Pub/Sub
Databases:	MongoDB, PostgreSQL, MySQL, Oracle, ElasticSearch, Redis, PL/SQL, SQL
CI/CD & DevOps:	Jenkins, Git, GitHub, GitLab CI, GitLab, Docker, Kubernetes, AWS CodePipeline, Infrastructure as Code
Testing & Quality:	JUnit, TDD, BDD, Code Reviews, 98%+ Unit Test Coverage
Authentication & Security:	LDAP, OAuth2, Spring Security, AWS IAM
Version Control & Build Tools:	Git, GitHub, GitLab, Maven
Monitoring & Logging:	AWS CloudWatch, Logging Dashboards, GitLab Pipelines
Methodologies:	Agile Scrum, SDLC, DevOps, Sprint Planning, Standups, Retrospectives
Other Tools:	Postman, JIRA, One-NDS, SDL, WebSphere, Tomcat

EDUCATION

Masters in Management Information Systems – University of Houston Clear Lake, USA	**Aug 2023 – May 2025**
Bachelors in Bioinformatics – Jaypee University of Information technology, INDIA	**Aug 2012 – May 2016**

CERTIFICATION

AWS Cloud Practitioner Certificate (Validation Number: a6a068205e084743a7f010c80e108acd)

PROFESSIONAL EXPERIENCE

Role: Lead Java Backend Developer

Client: Nokia, India   Jul 2022 – Jan 2023

Role Description: Worked on backend transformation for a telecom provisioning system by developing cloud-ready, microservices-based components using Java**,** LDAP, One NDS/SDL Provisioning gateways and spring frameworks**.** Migrated legacy One-NDS-based systems to SDL while improving performance, scalability, and CI/CD readiness.

Key Responsibilities:

o Designed and developed **Java-based microservices** using **Spring Boot, Spring Framework,** and **REST APIs,** ensuring high performance and modular deployment of backend services.

o Repeatedly implemented backend workflows using SDL **customized frameworks and Java** for telecom provisioning flows, achieving real-time event handling and reducing system lag.

o Led the **AEP Migration Project,** rewriting legacy One-NDS services into scalable Spring Boot microservices boosting throughput and reducing latency by 40%.

o Transformed synchronous operations into **event-driven workflows** using Kafka and JSON, enabling real-time processing and improved system responsiveness.

o Implemented and maintained **CI/CD pipelines** using **Git, GitLab CI, Docker,** and deployed backend services.

- o Collaborated with **DevOps teams** to make **services AWS-ready,** with all backend components containerized using **Docker** and monitored via **AWS CloudWatch logs**.
- o Developed internal UIs using **JSP, Jakarta EE, and JavaScript**, enhancing operational visibility and user experience across platforms.

Role: Senior Java Backend Developer

Client: LTIMindtree, India   Mar 2021 – Jul 2022

Role Description: Led backend services modernization for an enterprise provisioning platform by building cloud-native Java microservices with Spring Boot, Kafka, LDAP, and AWS. Delivered modules using Agile practices with zero production defects.

Key Responsibilities:
- o Architected and delivered **multiple Java microservices** using **Spring Boot, Spring Cloud,** and **REST APIs,** focusing on modularity, performance, and fault tolerance.
- o Developed **backend APIs** using **Java,** integrated **Kafka** for asynchronous communication, and used **AWS EC2** and **AWS Lambda** for deploying cloud-native services.
- o Repeatedly utilized **Spring Boot, Java,** and **Kafka** in custom One-NDS workflows, reducing custom development timelines by 20% while increasing backend stability.
- o Integrated **LDAP authentication** and **OAuth2** for secure access, using **Spring Security** within **Java microservices** for centralized user management.
- o Deployed all microservices in **AWS environments** using **Docker, Git,** and **Jenkins,** incorporating **CI/CD pipelines** with proper testing, logging, and rollback strategies.
- o Managed full **SDLC** under **Agile Scrum,** leading **daily standups, sprint grooming,** and **code reviews** with a consistent focus on **Java, Spring Boot, AWS,** and **Kafka alignment**.
- o Wrote comprehensive **JUnit test cases** for all **Spring Boot services,** ensuring 90%+ code coverage and reducing bugs across integrated environments.
- o Documented architecture patterns, component diagrams, and system design standards, enabling faster onboarding of new developers into the **Java + AWS + Kafka stack**.

Role: Java Full Stack Developer

Client: RxLogix Corporation, India   Sept 2020 – Mar 2021

Role Description: Built real-time pharmacovigilance web platforms using Groovy, Java, and Redis Pub/Sub in a microservices architecture. Delivered full-stack modules with a strong backend focus using Spring Framework and CI/CD pipelines.

Key Responsibilities:
- o Developed real-time backend modules using **Groovy, Java,** and **Spring Boot,** incorporating **Kafka** and **Redis Pub/Sub** to ensure low-latency, event-driven processing.
- o Delivered full-stack applications with dynamic UIs using **JavaScript,** and backend services using **Groovy, Spring Boot,** and **Java,** integrated tightly with **AWS Lambda functions** and **AWS S3**.
- o Built reusable **Groovy plugins** for client-specific business logic and deployed using **CI/CD via Jenkins, Git,** and **AWS CodePipeline** for seamless delivery.
- o Repeatedly used **Java, Spring Boot, Kafka,** and **AWS** to refactor and deploy modular microservices, increasing throughput and reducing interdependency bottlenecks.
- o Architected event processing pipelines using **Redis Pub/Sub, Kafka,** and **Spring Boot,** achieving scalable, real-time streaming capabilities for adverse event logging.
- o Automated testing through **JUnit** and **Groovy-based TDD** practices while enabling rollback strategies through **Git hooks, AWS S3 backups,** and **version-controlled releases**.
- o Participated in **Agile sprints** and **retrospectives** with a dedicated focus on backend development using **Java, Groovy, Kafka,** and **AWS-native tools**.

Role: Senior Java Backend Developer

Client: Infosys Ltd, India   Feb 2017 – Aug 2020

Role Description: Served as a backend engineering lead in the modernization of enterprise applications, focusing on building Java microservices, integrating REST/SOAP APIs, migrating legacy systems to Spring Boot, and implementing high-performance backend components in complex, data-intensive environments.

Key Responsibilities:
- o **Promoted rapidly** from Intern to Senior System Engineer in under 4 years; recognized with multiple awards for **zero-defect delivery** and high-impact feature releases.
- o Developed and maintained **Java-based microservices** using **Spring Boot, Spring Framework,** and **REST APIs** to support scalable backend processing and modular service architecture.
- o Built multiple **Spring Boot microservices** integrated with **REST API endpoints** and **SOAP services** via **APIGEE Gateway,** improving integration efficiency and reducing API-level issues by 30%.
- o Refactored legacy systems written in **.NET** and **WebSphere** to **modern Spring Boot** and **Java-based microservices,** enabling better scalability, portability, and developer efficiency across modules.
- o Repeatedly used **Java, Spring Boot,** and **REST APIs** across multiple modules, ensuring service-layer standardization, common exception handling, and stateless interactions.
- o Designed end-to-end service layers with **Java, Spring Boot,** and **Oracle PL/SQL** for high-throughput systems, optimizing data flow, system I/O, and service orchestration.

- o Created reusable components using **Spring Boot** and integrated them across 10+ applications, standardizing Java-based microservice development across the organization.
- o Migrated portals from **WebSphere to lightweight Java-based stacks** involving **Spring Boot, Angular,** and **Bootstrap,** significantly improving speed and maintainability.
- o Delivered over 98%-unit test coverage using **JUnit** for all **Java/Spring Boot modules,** with automated test runs integrated into CI/CD pipelines using **Jenkins** and **Git**.
- o Led backend performance tuning using **Java, Spring Boot,** and **PL/SQL,** optimizing service response times by over 40% and batch processing by 60%.
- o Participated in **Agile/Scrum ceremonies,** conducting code reviews, and aligning all Java microservices deliverables to sprint and release timelines.

Role: Student Associate [Part-Time]

Client: University of Houston Clear Lake, USA   Jan 2024 – May 2025

Role Description: Served as a Student Associate supporting both software development tasks and technical lab operations within the university's IT and academic infrastructure. Leveraged backend development expertise, cloud familiarity, and strong troubleshooting skills to enhance lab efficiency, maintain secure computing environments, and assist in the development of internal tools.

Key Responsibilities:
- o Delivered comprehensive technical support across university computer labs, resolving hardware/software issues on desktops, printers, scanners, and specialized equipment, ensuring uninterrupted student and faculty operations.
- o Performed diagnostics and resolution of complex system errors, conducted OS/software upgrades, and maintained security configurations across diverse lab environments.
- o Developed and supported Java-based backend utilities and automation scripts to streamline academic processes and reduce manual intervention.
- o Assisted in API integration and data flow automation between internal tools and third-party platforms, improving system interoperability.
- o Supported CI/CD efforts using Git and GitHub Actions, participated in UAT and collaborated with stakeholders to refine internal workflows.
- o Executed SQL and Python-based data processing scripts for reports and analytics used by academic departments.
- o Ensured compliance with IT policies, performed regular system health checks, and participated in infrastructure upgrade projects within labs.

PERSONAL PROJECTS

Kafka Order Inventory Pipeline | Spring Boot, Kafka, AWS RDS, Docker
- Built a real-time inventory management system using Kafka for event-driven communication between decoupled order and inventory microservices.
- Integrated AWS RDS (MySQL) for persistent inventory storage and implemented stock deduction logic on order consumption.
- Developed REST APIs and a React-based UI for inventory queries and order placement, improved transparency and user simulation.
- Containerized services using Docker and orchestrated them via Docker Compose to streamline development and deployment.

Grocery Store Curbside Pickup System |System Design & Analysis Project
- Designed a scalable, secure web platform for order management, payment processing, and pickup/delivery scheduling, incorporating user authentication and privacy-compliant data handling.
- Created detailed system architecture, including database schema, API design, and staff tools for order fulfillment and inventory location, enabling efficient end-to-end shopping workflows.