

Aayushi Jain

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SUMMARY

Software Engineer with 6+ years of experience, developing scalable web applications. Masters in Management Information Systems. Proficient in Java with expertise in RESTful APIs, microservices, cloud services, and database management. AWS Certified with strong problem-solving skills and a focus on innovation and delivery excellence.

TECHNICAL SKILLS

Programming: Python, Java, C++, C#, JavaScript, Typescript, HTML, CSS

Databases & Data Technologies: PostgreSQL, MySQL, Redis, GraphQL, Elasticsearch

Libraries/Framework/Tools: Jenkins, JIRA, Postman, Spring Boot, Spring Framework, Hibernate, Docker, Kubernetes, GitHub Actions/GitLab CI

Cloud Technologies: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)

Development Practices: Full-stack development, CI/CD, Automation, Design Patterns, Agile, System Design, SDLC, SOLID, and Code Reviews

EDUCATION

Masters in Management Information Systems – University of Houston Clear Lake, USA

Aug'23 – May'25

Bachelors in Bioinformatics – Jaypee University of Information technology, INDIA

Aug'12 – May'16

CERTIFICATION

AWS Cloud Practitioner Certificate (Validation Number: a6a068205e084743a7f010c80e108acd)

PROFESSIONAL EXPERIENCE

Solution Specialist, Nokia | India

Jul '22 - Jan '23

- **Engineered** scalable, high-performance Java-based applications by integrating client-customized frameworks (One-NDS/SDL) and provisioning gateways, boosting system reliability and throughput by 25%.
- **Partnered with R&D teams** to align application architecture with modern industry standards, streamline integration workflows, and drive end-to-end system optimization.
- **Developed** dynamic front-end interfaces using **JavaScript, Jakarta EE, and JSP**, enhancing UI responsiveness and user experience across internal and client-facing platforms.
- **Led the AEP Migration Project**, transitioning legacy systems from One-NDS to SDL. Designed efficient JSON data pipelines, reducing data handling latency by 40%.
- **Implemented** CI/CD pipelines and ensured cloud-readiness, enabling scalable and reliable production deployments.

Module Lead, LTIMindtree | India

Apr '21 - Jul '22

- **Led an Agile team** through daily scrums, sprint planning, and task management, delivering multiple critical modules on time and with zero post-deployment defects.
- Helped design and **build microservices-based solutions** in collaboration with engineering and product teams, ensuring scalability and alignment with business goals.
- Used One-NDS libraries to create **custom workflows** for client-specific needs, cutting development time by 20%.
- **Integrated LDAP systems** for improved user authentication, authorization, and centralized access management.
- Promoted Agile best practices and managed the full **software development lifecycle**, improving delivery speed and team performance.

Software Engineer, RxLogix Corp | India

Sep '20 - Mar '21

- Delivered full-stack solutions using **Groovy, Grails, and JavaScript**, building fast, maintainable web apps with dynamic UIs and strong backend performance.
- Integrated **Redis Pub/Sub** for real-time data flow, cutting latency and boosting responsiveness in event-driven systems.
- Influenced system architecture with a focus on **scalability, modularity, and fault tolerance**, contributing to key design decisions.
- Built and deployed custom **Groovy plugins** to support unique client needs, accelerating feature delivery and platform extensibility.
- Worked in fast-paced Agile teams with **CI/CD and TDD**, ensuring code quality and alignment with evolving product goals.

Senior System Engineer, Infosys | India

Feb '17 - Aug '20

- **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.
- Designed and built **high-performance Java microservices** using Spring Boot, reducing response times by up to 40% and improving system resilience.
- Developed and integrated **REST/SOAP APIs** via APIGEE Gateway and IDaaS, cutting integration errors by 30% through secure and efficient orchestration.
- Led modernization of **10+ legacy portals**, migrating from WebSphere to open-source stack (**Angular, Bootstrap, Tomcat**), cutting hosting costs and load times by 50%.
- Successfully migrated a mission-critical .NET system to **Java**, improving app performance and completing delivery **ahead of schedule**.
- Built robust **JUnit test suites**, achieving **98% test coverage** and enabling near-zero post-release defects through rigorous code quality enforcement.
- Boosted backend efficiency by writing optimized **PL/SQL procedures**, reducing high-volume data processing times by 60%.

Student Associate III [Part-Time], University of Houston-Clear Lake | USA

Jan'24 - May'25

- Delivered comprehensive technical support to end-users, resolving hardware and software issues across computers, printers, scanners, and specialized lab equipment.

- Diagnosed and resolved complex hardware/software malfunctions, ensuring minimal downtime and optimal system performance.
- Performed software installations, upgrades, and configurations to maintain compatibility, system integrity, and security compliance across diverse operating environments

PROJECTS

Order Processing Workflow | Java, Spring Boot, Oracle, REST APIs Project

- Refactored a monolithic order system into microservices, each handling validation, fulfillment, and payment, improving deployment velocity and fault isolation.
- Used Oracle procedures to manage inventory and order states with high consistency; achieved 30% faster throughput under load.

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.