

Abinash Patra

Java Backend Engineer | Spring Boot | Microservices | AWS Cloud
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PROFESSIONAL SUMMARY

Results-oriented Java Backend Engineer with 4+ years of experience designing and building scalable, secure, and maintainable backend applications and microservices using Java, Spring Boot, and AWS cloud technologies. Currently engineering enterprise-grade backend systems for Experian India (via NetWeb Software) across credit and non-credit financial services, including identity theft monitoring, digital footprint management, and credit bureau platforms. Proven track record delivering high-impact solutions such as a payment gateway integration that increased customer conversion by 30% and reduced cart abandonment by 20%. Adept at translating complex business requirements into robust technical solutions, with growing expertise leveraging AI-assisted development tools (Claude, GitHub Copilot, ChatGPT Codex) to accelerate delivery, improve code quality, and streamline debugging.

TECHNICAL SKILLS

- **Core & Advanced Java:** Object-Oriented Programming, Multithreading, Collections Framework, JDBC, Java 8+ Streams & Lambdas, Exception Handling
- **Frameworks:** Spring Boot, Spring Security, Spring Data JPA, Spring MVC, Microservices Architecture, RESTful API Design
- **API & Integration:** REST APIs, JSON, GSON, Postman, API Gateway, Third-Party Payment Integrations
- **Databases:** Oracle, MySQL, SQL, DynamoDB, RDS, Redis (caching), Database Schema Design & Query Optimization
- **AWS Cloud:** EC2, Lambda, ECS, ECR, DynamoDB, EventBridge, S3, RDS, CloudWatch, CDK, CloudFormation
- **CI/CD & DevOps:** GitHub Actions, Jenkins, Harness, Docker, Kubernetes (familiarity), Infrastructure as Code
- **Messaging & Distributed Systems:** Kafka (familiarity), Event-Driven Architecture, EventBridge
- **Agile & Collaboration:** Scrum, Jira, Confluence, Agile Software Development Life Cycle
- **Version Control:** Git, Bitbucket, SourceTree, GitHub
- **Testing & Quality:** JUnit, Unit Testing, Debugging, Code Reviews, Code Quality Best Practices
- **AI-Assisted Development:** Claude (Opus, Sonnet), GitHub Copilot, ChatGPT Codex, Kiro — AI pair-programming for code generation, review, debugging & documentation
- **Other:** System Design fundamentals, HTML, CSS, Continuous Learning & Emerging Technology Adoption

WORK EXPERIENCE

SOFTWARE ENGINEER | NetWeb Software (Client: Experian India), Hyderabad 05/2024 – Present

Tech Stack: Java | Spring Boot | Microservices | AWS (EC2, Lambda, ECS, DynamoDB, S3, EventBridge, RDS, CloudWatch) | GitHub Actions | Jenkins | Harness | Docker | Jira | Confluence

- Specialize in building scalable, secure, and maintainable backend applications and services using Java and modern backend technologies for Experian India, a global leader in credit and data analytics.
- Work across multiple projects in the credit and non-credit services domain, including identity theft monitoring, digital footprint management, credit bureau services, and other data-driven financial solutions.
- Design and develop microservices-based architectures, translating complex business requirements into robust, production-ready technical solutions for enterprise-level applications.
- Build and deploy scalable backend systems using AWS services including EC2, Lambda, ECS, ECR, DynamoDB, EventBridge, S3, RDS, and CloudWatch, provisioned via CDK and CloudFormation.
- Implement and maintain CI/CD pipelines using GitHub Actions, Jenkins, and Harness to streamline builds, testing, and deployments, improving release velocity.
- Leverage AI-assisted development tools such as Claude (Opus, Sonnet), GitHub Copilot, ChatGPT Codex, and Kiro to accelerate coding, code review, debugging, and documentation, improving overall engineering efficiency.
- Collaborate in an Agile/Scrum environment using Jira and Confluence for sprint planning, backlog grooming, and cross-team documentation and coordination.
- Gained deep experience understanding and operating within large-scale, enterprise-level distributed systems.

JAVA DEVELOPER | KMA Technologies, Hyderabad

10/2021 – 05/2024

Project 1 | Trustly Payment Integration

Tech Stack: Spring Boot | Microservices | REST API | MySQL | JIRA | Docker | Jenkins | AWS | Spring Security | Builder | BitBucket | Postman

- Orchestrated the seamless integration of Trustly Payment Solution into an e-commerce application for Ellos, a European client.
- Leveraged Spring Boot with a Microservices stack (Java, Spring Boot, Spring Security, Spring JDBC, AWS, open-source tooling) to drive the successful integration.
- Transformed the payment experience, enabling secure and seamless transactions.
- Resulted in a 30% increase in customer conversion rate and a 20% reduction in cart abandonment, enhancing overall e-commerce performance.
- Developed and implemented Trustly Payment Integration using Spring Boot, MySQL for data storage, Spring 3.x for server-side development, REST API development, and open-source solutions for caching and NoSQL.
- Collaborated closely with cross-functional teams, including designers and QA engineers, to ensure seamless integration and high-quality deliverables.
- Designed and implemented secure APIs for communication between the e-commerce application and the Trustly Payment Solution, ensuring data privacy and protection.
- Conducted thorough testing and debugging to identify and resolve issues, resulting in a stable and reliable payment system.
- Actively participated in code reviews, providing feedback to improve code quality and maintain best practices across the Java/Spring Boot stack.
- Worked as an Agile Scrum developer, coordinating effectively with cross-functional peers.

Project 2 | E-Commerce Platform Development (Self Project)

Tech Stack: Java | Spring Boot | Oracle | MySQL | REST API

- Led the independent development of a robust e-commerce platform leveraging Java technologies and the Spring Boot framework.
- Streamlined the online shopping experience, resulting in increased customer conversion rates and reduced cart abandonment.
- Employed advanced security measures to ensure data privacy and protection, achieving high accuracy in transaction processing.
- Developed scalable and efficient Java codebase using the Spring Boot framework, improving application performance.
- Conducted thorough testing and debugging to resolve critical bugs, maintaining a high bug-fix success rate and minimizing production incidents.
- Integrated Java applications with Oracle and MySQL databases, optimizing schemas and executing SQL queries for seamless data management.
- Designed and implemented secure APIs for communication between front-end and back-end components, ensuring data privacy and integrity.

EDUCATION

Bachelor of Science (B.Sc.) — Fakir Mohan University, Odisha | 2019

CERTIFICATIONS

- Introduction to Machine Learning — IIT Madras
- Internet of Things — IIT Kharagpur
- Cloud Computing — IIT Kharagpur
- Java Certification — Naresh I Technologies, Hyderabad