

Nitish Shrivastava

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Summary

Dynamic and results-oriented **Java Backend Developer** with **3+ years of experience** in developing scalable and secure enterprise applications using **Java, Spring Boot, REST APIs, AWS, and Microservices Architecture**. Proven expertise in **Cloud, DevOps, Big Data, Networking, and Security**. Adept at building cloud-native applications and delivering high-impact results in **Agile and fast-paced environments**. Strong proficiency in **Kubernetes, Terraform, CI/CD, and Containerization**. Expertise in **coding, software development best practices, Object-Oriented Programming (OOP), and code reviews**. Seeking to contribute technical excellence and leadership to a dynamic development team with a focus on **growth** and delivering exceptional **user feedback**.

Professional Experience

MasterCard, Pune, India

Software Engineer II

March 2024 – Present

- Led the development of B2B payment solutions using **Java** and **Spring Boot**, processing over **1 million transactions daily**.
- Reduced payment processing time by **15%** through optimization of AWS Lambda functions and integrating **ECS Fargate**.
- Implemented **CI/CD** pipelines with **Jenkins**, reducing deployment time by **40%**.
- Spearheaded security measures using **OAuth2, JWT, Spring Security, and SSL/TLS**, ensuring **PCI-DSS** compliance.
- Deployed applications using **Kubernetes, Docker, and Containerization**, improving scalability by **30%**.
- Contributed to **code reviews** and **software development best practices**, improving code quality by **20%**.
- Integrated user feedback and implemented solutions to improve overall **product performance** and usability.

Tata Consultancy Services, Pune, India

Java Backend Developer

June 2021 – February 2024

- Migrated a monolithic architecture to a microservices architecture, increasing system efficiency by **25%**.
- Developed and optimized **RESTful APIs** using **Spring Boot, Spring Security, and AWS API Gateway**, improving response times by **35%**.
- Led the implementation of **Apache Kafka** for event-driven architecture, handling **high-volume data streams**.
- Improved test coverage to **98%** by automating unit and integration testing using **JUnit, Selenium, and Cucumber**.
- Led **coding best practices**, enhancing collaboration in the team through frequent **code reviews** and knowledge-sharing sessions.

Key Projects

User Profile Microservices

Vanguard Bank

- Reduced API response times by **20%** by optimizing NoSQL database queries using **Cassandra** and **Redis**.
- Led the development of a **CI/CD pipeline**, ensuring **99.9% uptime** and automating deployments.
- Participated in **prototyping** and gathering user feedback for continuous product improvement.

Client Orchestrator Service

- Designed a microservices-based architecture handling over **10,000 API requests per day**.
- Integrated **Kafka Streams** for real-time processing, improving data reliability and scalability.
- Conducted **research** on industry trends to ensure the system remained innovative and aligned with business goals.

Skills

Programming Languages: Java, Python (Scripting), C, C++, Shell Script (Bash), GoLang

Backend Technologies: Spring Framework, Spring Boot, Java EE, Hibernate, JDBC, JPA, JMS, Microservices, SpringBatch, Node.js

Cloud Services: AWS (Lambda, API Gateway, DynamoDB, S3, CloudWatch, ECS, EKS), Google Cloud, Azure, AWS RDS, GCP

Big Data Technologies: Apache Kafka, Hadoop, Spark, Cassandra, Redis, Elasticsearch

DevOps Tools: Jenkins, Docker, Kubernetes, Terraform, Helm, Ansible, Maven, Bamboo, Git, Bitbucket, SonarQube

Databases: NoSQL (DynamoDB, MongoDB, Cassandra, Redis), SQL (MySQL, Oracle, PostgreSQL), PL/SQL, Query Optimization

Testing & Debugging: JUnit, Mockito, Selenium, TDD, Regression Testing, Unit Testing, Cucumber, IntelliJ, Eclipse, VisualVM, Kibana

Security: OAuth2, JWT, PCI-DSS compliance, SSL/TLS, Spring Security, OpenID Connect, GDPR

Design Patterns: Singleton, Builder, Factory, Bulkhead, Circuit Breaker, Producer-Consumer, Event-Driven Design, SAGA, DDD, Object-Oriented Design, MVC

DevOps Practices: CI/CD, Infrastructure as Code (IaC), Version Control Systems (VCS)

Computer Science Concepts: Data Structures, Algorithms, OOP, Software Development Life Cycle (SDLC)

Monitoring & Logging: Splunk, Grafana, Prometheus, Elastic

Non-Technical Skills

- **Communication:** Strong verbal and written communication skills, capable of articulating technical concepts to non-technical stakeholders.
- **Team Collaboration:** Experienced in cross-functional collaboration and mentoring junior developers.
- **Problem-Solving:** Proven analytical and problem-solving abilities, with a keen eye for optimizing system performance.
- **Continuous Learning & Growth:** Adaptability and Commitment to continuous improvement, staying current with industry trends, and incorporating user feedback.
- **Leadership:** Successfully led teams, managed complex projects, and ensured timely delivery and product **status** updates.

Achievements

- **Smart India Hackathon 2022:** Led a team to develop a face recognition tool, reducing fraud detection time by **20%** and improving efficiency by **25%**.
- **Awarded by Chief Electoral Officer of Bihar, 2020:** Developed an encephalitis tracking application, improving healthcare response time by **15%**, benefiting over 10,000 citizens.
- **Smart India Hackathon 2019:** Runner-up under Yamaha Motors Pvt. Ltd., showcasing innovative application development skills.

Education

Muzaffarpur Institute of Technology, Muzaffarpur, India

Bachelor of Technology in Information Technology — **CGPA: 8.04**

2017–2021

Certifications

- AWS Certified Developer – Associate
- Oracle Certified Professional: Java SE 11 Developer (OCP)
- Oracle Database SQL Certified Associate