

Aarsh Mishra

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SUMMARY

Backend / Platform Engineer with 3+ years of experience building distributed systems, cloud-native applications, and developer platforms. Strong expertise in Java, Spring Boot, microservices, Kubernetes, and system design. Proven experience delivering high-throughput backend systems and internal platforms used by multiple teams and large user bases.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, SQL, Bash

Backend: Spring Boot, Microservices, REST APIs, GraphQL, WebSocket

Platform & Cloud: Kubernetes, Docker, ArgoCD, Crossplane, CI/CD, GitOps, AWS, GCP

Databases & Messaging: PostgreSQL, MySQL, MongoDB, Redis, AWS SQS

Tools: Git, Maven, Swagger, JWT, Jira, Software AG (webMethods), Apigee, WSO2

Frontend: React, Angular, Next.js, Tailwind CSS

PROFESSIONAL EXPERIENCE

Nagarro Jul 2022 – Present

Senior Engineer — Backend / Platform Engineering Jul 2025 – Present

- Built backend services and platform components for an Internal Developer Platform used by **20+ engineering teams**, enabling standardized deployments and self-service workflows
- Implemented Kubernetes-native delivery using ArgoCD and GitOps, reducing deployment failures by **40–50%**
- Built Crossplane abstractions reducing environment provisioning time from days to **under 30 minutes**
- Developed Spring Boot orchestration services cutting manual operational effort by **40%**

Engineer — Backend Engineering Jan 2024 – Jun 2025

- Built and scaled Spring Boot microservices for a B2C stock trading platform serving **1M+ users** with **99.9% uptime**
- Supported **100K+ concurrent WebSocket connections** and reduced API latency by **35%** using Redis caching
- Designed asynchronous workflows using AWS SQS to improve resilience under peak load
- Reduced high/medium security vulnerabilities by **60%+**

Associate Engineer — Backend Engineering Jul 2022 – Dec 2023

- Developed Java Spring Boot and Node.js services as part of microservice-based systems
- Contributed to API design, system integrations, and Git-based release workflows

Infosys, Systems Engineer Intern February 2022 – May 2022

- Engineered complaint management system for municipal operations supporting multiple departments with role-based access control for Citizens, Department Members, Mayors, and Admins
- Tech Stack: Java, Spring Boot, Angular 10, REST APIs, MySQL, Maven, Git

PROJECTS

Arduino CLI Docker — Python, Docker, AWS S3, Arduino CLI

- Created Dockerized compilation tool for Arduino sketches with per-project core/library support, flexible board targeting, AWS S3 binary upload, and automatic dependency installation

Custom Portfolio — Next.js, TypeScript, Tailwind CSS, Markdown

byluc.in

- Built responsive portfolio with dual persona toggle, blog with Markdown support, project showcase with filtering, and SEO optimization using Next.js App Router for fast performance

Merchant Management App — Spring Boot, PostgreSQL, JWT, Swagger

- Developed RESTful API for merchant management with JWT authentication, complete CRUD operations, password encryption, data validation, and Swagger API documentation

EDUCATION

PSIT College of Engineering, Kanpur, India

Bachelor of Technology in Computer Science and Engineering

July 2018 – July 2022

CERTIFICATIONS

- IBM: webMethods API Management Basic

- The Linux Foundation: Open Source Software Development, Linux & Git Specialization

- Kennesaw State University: Cybersecurity - Developing a Program for Your Business