Aarsh Mishra

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SUMMARY

Software engineer with 3+ years building scalable backend systems and cloud-native platforms for 1M+ users. Expertise in microservices architecture, API design, Kubernetes orchestration, and DevOps automation. Strong focus on system design, performance optimization, and security best practices.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, Bash, SQL
Backend & Frameworks: Spring Boot, Node.js, Express.js, REST APIs, GraphQL, WebSocket, Microservices
Frontend: React, Angular, Next.js, Tailwind CSS
Cloud & DevOps: Kubernetes, Docker, AWS, GCP, ArgoCD, Crossplane, CI/CD, GitOps
API & Integration: Software AG (webMethods), Apigee, WSO2, REST, GraphQL
Databases: PostgreSQL, MySQL, MongoDB, Redis (Caching)
Tools: Git, GitHub, VS Code, Jira, Maven, Swagger, JWT Authentication

PROFESSIONAL EXPERIENCE

Nagarro, Senior Engineer · July 2025 – Present

- Architecting cloud-native Internal Developer Platform using Crossplane, ArgoCD, and Kubernetes enabling self-service infrastructure provisioning and GitOps workflows for development teams
- Building Spring Boot backend services for platform orchestration, automation, and policy enforcement to streamline developer experience and reduce infrastructure deployment time
- Collaborating with SRE teams to design scalable, secure infrastructure abstractions implementing platform reliability best practices

Nagarro, Engineer · January 2024 – June 2025

- Built RESTful APIs using Java and Spring Boot for Abu Dhabi Securities Exchange (ADX) stock trading platform serving 1M+ users with PostgreSQL data layer and NASDAQ market data integration
- Implemented real-time stock updates via WebSocket protocol and optimized performance using Redis caching layer
- Decoupled microservices architecture using AWS SQS for asynchronous messaging with event deduplication via Redis ensuring data consistency across distributed systems
- Integrated Microsoft CRM for end-to-end customer, trade, and complaint management workflows
- Proactively identified and resolved security vulnerabilities maintaining zero critical issues and reducing high/medium risk exposures by 60+ percent
- Collaborated with cross-functional Agile teams (UI/UX, QA, DevOps) for continuous platform improvements

Nagarro, Associate Engineer · July 2022 – December 2023

- Developed scalable backend services using Java Spring Boot and Node.js improving application interoperability and system performance
- Managed version control and release workflows using Git ensuring smooth team collaboration and deployment processes

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

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

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

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