

# Aarsh Mishra

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## Professional Experience

### Nagarro

#### Engineer

01/2024 – present

- (*Java, Spring Boot, PostgreSQL, Redis, AWS SQS, WebSocket, REST APIs*) (*Abu Dhabi Securities Exchange - ADX*)
- Built **RESTful APIs** (Java, Spring Boot) for stock trading services (1M+ users), utilizing **PostgreSQL** for data storage and **NASDAQ services** for market data integration.
  - Integrated **Microsoft CRM** for customer, trade, and complaint management workflows.
  - Developed real-time stock updates using **WebSocket** and improved performance with **Redis** caching.
  - Decoupled microservices using **AWS SQS** and implemented event deduplication via Redis.
  - Collaborated with Agile teams across UI/UX, QA, and DevOps for platform improvements.
  - Continuously raised issues addressing security vulnerabilities, maintaining zero critical issues, and significantly reducing high and medium risk issues.

#### Associate Engineer

07/2022 – 12/2023

- Contributed to backend development by building scalable and maintainable services using **Java** and **Spring Boot**.
- Collaborated with teams to manage and maintain codebases using **Git**, ensuring smooth version control and release management.
- Developed and integrated backend features using **Node.js**, improving application interoperability and system performance.

### Infosys, Systems Engineer Intern

02/2022 – 05/2022

- Developed a system for managing complaints across city departments (Police, Healthcare, Education, Transport) with role-based access (Citizens, Department Members, Mayors, Admins).
- Tech stack: Java, Spring Boot, Maven, Angular 10, REST APIs, MySQL, Git, GitHub (Infosys instance).

## Skills

**Programming Skills** Java, JavaScript, TypeScript Python, Bash

**Frameworks/Libraries** Spring Boot, Node, Express, React, Angular

**Servers & Platforms** SoftwareAG (WebMethods), Docker, AWS, GIT, Apigee, WSO2

**Databases** MySQL, MongoDB, Postgresql

**Web Dev Tools:** GraphQL, VScode, Git, Github, Jira

## Personal Projects

### Merchant Management App

A **Spring Boot** application for managing merchants with **JWT authentication** and **PostgreSQL** database.

- **Features :-** Merchant Authentication (Login/Register), JWT Token Based Security, Complete Merchant CRUD Operations, Data Validation, PostgreSQL Database Integration, Swagger API Documentation, Password Encryption

### Arduino CLI Docker

**Dockerized Arduino-CLI** sketch compilation tool using **Python** for automation, and uploading binaries to **Amazon S3**.

- **Features :-** Dockerized Arduino compilation, per-project core and library support, flexible board targeting, AWS S3 binary upload, automatic dependency installation, minimal local setup.

### Custom - Portfolio

A responsive portfolio website built with **Next.js**, **TypeScript**, and **Tailwind CSS**. featuring a unique dual persona concept

- **Features :-** Dual persona toggle (Developer/Gamer), Fully responsive design, Blog with Markdown support, Projects showcase with filtering, SEO optimized, Fast performance with Next.js App Router

### Phonebook

Created a phonebook with **Django** REST framework, featuring user registration, login, contact management (add, list, search), spam marking, email notifications, and PDF downloads.

## Education

**Bachelor of Technology (Computer Science and Engineering),**  
PSIT College of Engineering

07/2018 – 07/2022 | Kanpur, India

## Specializations and Certificates

webMethods API Management Basic, IBM

Open Source Software Development, Linux and GIT Specialization, The Linux Foundation

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