NISHANT SHARMA

+91 6350435068 | business.nishant777@gmail.com | LinkedIn | GitHub | Portfolio

Results-oriented Developer combining strong backend engineering skills with practical Cloud experience. Proven ability to build secure REST APIs, manage PostgreSQL databases, and deploy automated cloud infrastructure using Docker.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C++, SQL
Backend & APIs: Node.js, Express.js, RESTful API Design, JWT Authentication, Multer
Databases: PostgreSQL, Prisma ORM, MongoDB, Mongoose ODM, Query Optimization
Cloud & DevOps: AWS (EC2, RDS, S3), Docker, GitHub Actions CI/CD, Nginx, Linux
Tools: Git, VS Code, WSL

TECHNICAL PROJECTS

VizTube – Production Video Platform Backend | Live API | GitHub

Node.js, Express, PostgreSQL, Prisma, Docker, AWS, GitHub Actions

- Developed a secure and scalable video streaming backend capable of handling high-volume media uploads and user interactions with zero downtime during updates.
- Built a cost-optimized **micro-infrastructure** on a single **AWS EC2 (1GB RAM)** instance using Docker Compose, reducing production image size by **12%** via multi-stage builds.
- Engineered an **automated CI/CD pipeline** using GitHub Actions to build, push, and deploy **Docker** containers to production in under **90 seconds**, eliminating manual deployment errors.
- Implemented robust **network security** by configuring **Nginx** as a reverse proxy with SSL/TLS termination and blocking direct API port access using **AWS Security Groups**.

BankEase – Core Banking System Simulation | GitHub

C++, OOP, File I/O, Memory Management

- Developed a reliable core banking simulation system designed to manage customer accounts and process financial transactions with strict data accuracy.
- **Built a modular C++ codebase** using **Object-Oriented Programming (OOP)** principles, specifically Encapsulation, to strictly separate business logic from data persistence layers.
- **Implemented a custom data persistence engine** using **C++ File Streams** (fstream) and **Operator Overloading** (>>,<<) to ensure seamless record retention without an external database.
- **Engineered robust input validation pipelines** using std::cin state checks to prevent buffer overflows and ensure **100% runtime stability** during invalid data entry.

EDUCATION

Bachelor of Computer Applications | S.S. Jain Subodh PG College, Jaipur | 2024 - 2027
Grade 12 - PCM - 90.2% | KPS Udaan, Jaipur | 2024

CERTIFICATIONS

- **Microsoft GitHub Foundations** | Verify
- **Back End Development & APIs – FreeCodeCamp** | Verify
- **Problem Solving (Intermediate) – HackerRank** | Verify

ADDITIONAL

• Twice recommended by SSB (Indian Air Force) through rigorous 5-day assessment validating leadership and decision-making under pressure

• Solved 300+ algorithmic problems across LeetCode, CodeForces, and HackerRank with consistent focus on time/space complexity optimization