Nikhil Pahuja
Software Developer
Gurgaon, India

📞 +91 9821078067
✉ nikhilpahuja75@gmail.com
⌨ GitHub 🔗 LinkedIn 🌐 Portfolio

PROFESSIONAL SUMMARY

Software Developer with experience building scalable backend systems and data-driven APIs using **Node.js**, **Python**, **MongoDB**, and **FastAPI**. Experienced in secure API design, database optimization, and Dockerized deployments.

EXPERIENCE

Software Developer   July 2024 – Present
Shephertz, Gurgaon, Haryana
● Built and maintained production-grade **REST APIs** using **Node.js**, **Express**, and **MongoDB** serving thousands of requests per day for enterprise platforms.
● Improved API and database performance by 20% through query optimization and code refactoring.
● Built a Docker-based scaffolding tool to generate **CRUD microservices** for Node.js + MongoDB and **FastAPI + MySQL**.
● Implemented **JWT**-based authentication and role-based access control (**RBAC**) for secure APIs.
● Collaborated with QA and product teams to resolve production issues and deliver stable feature enhancements.

Developer Intern   June 2023 – July 2023
HERE Technologies, Remote
● Built **Python** automation scripts and Scrapy-based web crawlers to extract structured **POI** data.
● Processed, validated, and cleaned large datasets for use in location intelligence products.
● Reduced manual data preparation effort by automating repetitive data collection and processing workflows.

PROJECTS

DataFlow – Database Migration Studio (Link)
Tech Stack: *React, Tailwind CSS, FastAPI, Python, MySQL, PostgreSQL, MongoDB*
● Built a full-stack web application to automate database migration from **MySQL** to **PostgreSQL** and **MongoDB**.
● Implemented schema analysis, type mapping, and relationship preservation for database migration.
● Designed and developed REST APIs using **FastAPI** to manage migration workflows and validation, and deployed frontend and backend services with production-ready configurations.

ExcelHire – AI-Powered Excel Interview Platform (Link)
Tech Stack: *React, TypeScript, Tailwind CSS, FastAPI, PostgreSQL, Docker*
● Built an AI-driven Excel interview platform with conversational skill assessment and adaptive questioning.
● Developed secure backend APIs for authentication, interviews, evaluation, and reporting.
● Deployed the full-stack application using Docker for consistent, isolated, and repeatable environments.

Finance Tracker – Backend System (Link)
Tech Stack: *Node.js, Express, MongoDB*
● Designed and implemented a backend system for tracking expenses and income.
● Built **REST APIs** with proper data validation, authentication, and business logic.
● Optimized **MongoDB** queries to ensure efficient data retrieval and updates.

SKILLS

Programming	JavaScript, Python, SQL
Backend & APIs	Node.js, Express.js, FastAPI, REST APIs, JWT, Microservices
Databases	MongoDB, PostgreSQL, MySQL
DevOps & Tools	Docker, Git, GitHub, Postman

EDUCATION

Bachelor of Engineering in Computer Science, CGPA - 8.02, UPES , Dehradun	2020 - 2024
12th Grade, 80.4%, Lions Public School, Gurgaon	2019 - 2020