Nimish Kashyap

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WORK EXPERIENCE

LINGUEE GLOBAL SOLUTIONS — Chennai
Backend Architect and Developer Intern *December 2021–June 2022*

- Designed robust and scalable system flow for a Novel Human Resource Management System, improving existing candidate recruitment flow with an expected 50% increase in satisfaction rating.
- Developed, reviewed, and optimized the loosely coupled architecture for implementing backend services, accelerating development efficiency by 30%.

Tech-stack: NodeJS, ExpressJS, MongoDB Atlas (DaaS), Typescript (MVC architecture).

TRADEMARKIA — Remote
Backend Developer Intern *May 2023–July 2023*

- Designed and implemented serverless event-based asynchronous web scraper that handles 100,000+ requests per second and stores them into PostgreSQL.
- Built ORM Migrator versioning system for GORM inspired by the Django framework.
- Implemented international CRON jobs for scheduled Trademark data scraping for multiple countries.
- Implemented international Trademark search using Elasticsearch, handling 500+ requests per minute.

Tech-stack: GO, GORM, AWS, Lambda, API Gateway, SQS, Websocket, SAM, Elasticsearch.

LearnInBit — Remote
DevOps Lead *Jan 2023–April 2023*

- Directed the deployment of the LearnInBit Project in AWS using automation tools such as Github Actions.
- Deployed a fully automated GitOps pipeline solution using Terraform.
- Automated CI/CD by 100% with Ansible as a deployment solution to EC2 having multi-tenancy support.
- Increased build-time and deployment efficiency by 60%.

Tech-stack: Github actions, Docker, Kubernetes, AWS EC2, NGINX, Terraform and Ansible.

EDUCATION

Vellore Institute of Technology, Chennai
B-Tech. CSE - Artificial Intelligence and Robotics, 2020-2024
CGPA: 9.05/10

PERSONAL PROJECTS

CLOUD-NATIVE E-COMMERCE PLATFORM

- Built a ticketing platform by implementing microservice architecture in a containerized environment with Docker, Kubernetes and other cloud-native technologies.
- Established asynchronous event-driven data communication system using NATS streaming server and deployed in Google Cloud Platform with Kubernetes Engine.
- Addressed concurrency issues at scale and battle-tested using a test-driven development strategy.

Tech-stack: NodeJS, ExpressJS, NextJS, Docker, Kubernetes, Google Cloud Platform, TypeScript

INGENIOUS - ONLINE CODE COMPILER

- Engineered an online code-judging platform by implementing distributed architecture and compiling programs in **containerized environments** using **Docker**.
- Added multi-language support and implemented authentication as a Python microservice, leveraging **three-tier architecture.**

Tech-stack: NestJS, NextJS, MongoDB, Python, MVC Architecture.

SKILLS

- Programming Languages: TypeScript/JavaScript, Java, Go, C++, Python.
- Backend: NodeJS, ExpressJS, NestJS, REST API, gRPC, Elasticsearch, Kafka.
- Frontend: NextJS, ReactJS, React-Native.
- Databases: MongoDB, PostgreSQL, MySQL, DocumentDB.
- DevOps & Cloud: Kubernetes, Docker, NATS Streaming Server, AWS, Azure, Terraform, Serverless, GCP.

ACHIEVEMENTS

- Winner at CTF Event organized by Cyscom VIT-Chennai.
- Global runners-up team (Technocrats Robotics) in International Rover Design Challenge 2021.