Nguyen Tuan Kha - Backend Engineer

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Summary — Passionate Backend Engineer with 2.5 years of experience in web development and server monitoring. Proficient in system design, process optimization, and enhancing server efficiency to improve product performance

Experience

Backend Developer   **Jul 2023 – Present**
Nexlab Technology

- Created multi-platform applications using Golang and NodeJS combining with Hasura GraphQL, delivering high development speed and efficiency
- Enhanced the data retrieval times through effective database management and optimization
- Designed microservices infrastructure with on-premise and cloud server, reducing server errors by logging and debugging
- Automatically handled the exceptional cases with scripts, ensured the consistency and synchronization of data
- Maintained and refactored features of operated projects, and fixed security vulnerabilities in the system
- Contributed to project development with effective backend solutions and best practices
- Directly received requirements and assigned tasks for team members, mentored and supervised interns, providing technical guidance, onboarding support, and regular feedback
- Built end-to-end development project, structured code base, integrated AI generation features, third-party services, deployed on cloud infrastructure
- Developed CI/CD pipelines for deployments and implemented daily database backup services

Projects

Daikin Service Sale

- Built a portal used by Daikin Corporation to create and manage inquiries with customers, digitalize the process of purchasing a large number of products
- Techstacks: VueJS 3 + ExpressJS, Hasura GraphQL, PostgreSQL, Bitbucket Pipeline, On-premise server, Microservices Infrastructure, Nginx Web Server, Google Cloud Logs

Daikin Service

- Developed a project including a website portal, a customer app and a technician app for Daikin Corporation to manage the internal operation, inventory system, support the technician team, and interact with customers
- Structured the system following microservice infrastructure
- Achieved a user base of over 600K whilst maintaining the availability of system
- Techstacks: VueJS 3 + ExpressJS,, Hasura GraphQL, PostgreSQL, Bitbucket Pipeline, On-premise server, Microservices Infrastructure, Nginx Web Server, Google Clould Logs, and third-party services

A3 Pro

- Created a multi-platform application to manage sale activities, human resources, warehouses and customers
- Handled multiple operations of businesses at the same time and ensured system performance
- Techstacks: ReactJS + Gin, Hasura GraphQL, PostgreSQL, VNG Cloud Server, Docker Compose, Traefix Web Server

Victory Moments (Solo Project)

- Created social media platform on both website and mobile application for awardees to sharing their awards and create posts on news feed
- Created admin portal for managing awards, users and censoring posts by AI
- Supported client import their 20-years data onto the system
- Techstacks: NextJS/ReactJS/ExpressJS, Hasura GraphQL, PostgreSQL, Google Cloud Services, Docker Swarm, Traefix Web Server, Facebook/Linkedin/Google Login, OpenAI, Mailgun, Github Actions

Technical Skills

- ExpressJS/Typescript & Gin/Golang
- Bash Script
- Hasura GraphQL, RESTful APIs
- PostgreSQL, MS SQL Server
- Microservices
- Docker & Docker Swarm
- OOP, SOLID principles, Algorithms
- AWS, GCP, VNG Cloud
- Networking, Application Security
- AI Integration
- CI/CD Pipelines
- N8N Automation
- Problem-solving
- Scrum/Agile Methodologies

Education

University of Information Technology - Ho Chi Minh National University (Vietnam)   **Sep 2020 - Jun 2024**
Bachelor of Software Engineering
Degree grade: Good - GPA: 8.24/10
Award: Semester schoolarship for top 5 highest scores

Language

English: IELTS Certificate: 6.5/9   **TOEIC Certificate:** 800/990