LẠI MINH SÁNG

Software Developer

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PROFILE SUMMARY:

Passionate Software Developer experienced in building scalable backend systems and cloud-native applications. Skilled in Java, Nodejs, and Spring Boot with a strong foundation in system design, database optimization, and real-time processing. Focused on delivering clean, maintainable code and high-performance solutions that solve real-world problems. Seeking growth opportunities in a dynamic, international environment where I can apply my backend expertise and problem-solving mindset.

ACADEMIC BACKGROUND:

2017 – 2020 | FPT Polytechnic College Hanoi
Bachelor of Software Applications – Information Technology

WORK EXPERIENCE:

Freelance Software Developer

Jan 2025 – Present

- Developed backend and full-stack applications tailored to each client's specific requirements.
- Delivered projects using diverse technologies without being tied to a specific language or framework.
- Managed entire development lifecycle: requirement analysis, development, testing, and deployment.
- Worked directly with clients and led small teams to ensure project success.
- Deployed solutions using cloud and DevOps tools such as Docker, AWS, and CI/CD pipelines.

FUNiX ., JSC

Front-end Developer | 2022 – 2024

- Developed and maintained ERP modules and LMS features.
- Built AI-integrated Q&A system to support student learning.
- Improved deployment pipeline and participated in technical training.
- Ensured consistent delivery of reliable features for thousands of users.

ITSOL ., JSC

Backend Developer | 2020 – 2022

- Built APIs, reports, and ETL pipelines for enterprise systems.
- Enhanced backend logic and improved system UI/UX.
- Collaborated with Viettel Cyber Security to deliver secure products.

TECHNICAL SKILLS:

- Programming: Java, TypeScript, NodeJS, Python
- Frameworks: Spring Boot, Hibernate, FastAPI
- Mobile App: React Native, Expo
- Databases: Oracle, MySQL, MongoDB, Redis
- Messaging: Kafka, RabbitMQ, WebSocket
- DevOps: AWS, Docker, Jenkins, Nginx
- System Design: Microservices, Distributed Systems
- Tools: Git, APIDog, Swagger, Jira, Agile/Scrum

CERTIFICATIONS & AWARDS:

- Certificate of Completion – Java Essential Programming
- Certificate of Completion – Kanban Course

HIGHLIGHTED PROJECTS:

NovaLink – Enterprise CRM & Sales Management

📝 *A CRM system designed to manage customer relationships, track sales pipelines, and automate reporting tasks for small to medium-sized enterprises.*

TechStack: Node.js, Express, MongoDB, RabbitMQ, Jenkins, Docker, AWS.

Responsibilities:

- Designed and developed the backend API using Node.js and Express to handle complex customer and contract data management tasks.
- Integrated MongoDB for flexible, non-relational data storage and optimized queries for dynamic reporting requirements.
- Utilized RabbitMQ to asynchronously process heavy tasks, such as mass email distribution and scheduled report generation.
- Led the deployment process by setting up a robust CI/CD pipeline using Jenkins and Docker on the AWSplatform.
- Performed system maintenance and implemented scaling based on direct client feedback and performance metrics.

Results:

- *Reduced manual effort in generating and sending sales reports by 60% through asynchronous automation with RabbitMQ.*
- *Provided real-time sales performance dashboards, enabling faster, data-driven decision-making for clients.*
- *Streamlined the deployment cycle using CI/CD (Jenkins/Docker), cutting product release time from 1 hour to 15 minutes.*
- *Ensured the system could efficiently handle over 500 concurrent transactions during peak periods while maintaining low latency.*

EduTrack – Online Assessment Platform

📝 *An automated assessment and grading platform for online courses, built for high concurrency to handle thousands of assignment submissions per hour.*

TechStack: Spring Boot, Microservices, Kafka, MySQL, Redis

Responsibilities:

- Engineered a Microservices architecture to separate services for assessment, submission storage, and report generation.
- Developed core backend APIs using Java/Spring Boot, adhering to best practices for security and performance.
- Leveraged Kafka to manage queues and stream events for processing thousands of continuous assignment submissions.
- Executed deep query tuning on MySQL and implemented Redis caching for frequently accessed assessment history data.
- Collaborated closely with the QA team to ensure the accuracy and integrity of the automated scoring logic.

Results:

- *Increased the platform's submission processing capacity by 200% using the Microservices and Kafka architecture.*
- *Improved the response time of assessment history APIs by up to 30% through strategic Redis caching implementation.*
- *Ensured flexible scalability to support over 10,000 active users concurrently during peak examination periods.*
- *Reduced the rate of scoring errors in the automated grading system to below 0.1%.*

HIGHLIGHTED PROJECTS:

Taskcover – AI-powered Enterprise Management Platform

Backend Developer | May, 2023 – March, 2025

📝 *A real-time task and team management system designed to streamline agency workflows and improve productivity.*

TechStack: *Nodejs*, Python, Microservices, Websocket, Mongodb, Redis, NextJS

- *Designed microservice architecture using Spring Boot, Redis, and MongoDB for real-time task collaboration.*
- *Integrated WebSocket and async processing to support 1000+ concurrent users.*
- *Reduced task processing time by 30% via optimized concurrency and data access.*
- *Achieved 99.9% system uptime through robust CI/CD pipelines and container orchestration.*

🔗 *https://app.taskcover.com | https://taskcover.com*

Lifetek – Electronic Document Storage for Government

Full-stack Developer | 2022 – 2023

📝 *A secure, cloud-based digital document management platform for government departments.*

TechStack: *Nodejs*, ReactJS,, Mongodb

- *Built a secure cloud-based system to manage over 1 million documents per month.*
- *Implemented digital signature workflows, document versioning, and auto-destruction rules.*
- *Applied sharding and indexing strategies to reduce query time by over 40%.*
- *Collaborated closely with BAs and clients for feature specs and system scaling.*

🔗 *https://lifetek.funix.edu.vn*

FUNiX LMS – Learning Management System

Full-stack Developer | 2023 – 2024

📝 *An internal e-learning platform serving thousands of students with mentor interaction features.*

TechStack: *Python, Odoo*, XML, PostgreSql

- *Developed and optimized backend APIs and PL/SQL procedures to support 20K+ active*
- *learners.*
- *Built mentor booking, assignment review, and progress tracking features.*
- *Improved response time by 25% through query tuning and better data modeling.*
- *Led UI enhancement efforts, improving user engagement and satisfaction.*

🔗 *https://courses.funix.edu.vn*

Chat Discord GPT – AI Assistant for Education

Full-stack Developer | 2024

📝 *An AI-powered assistant on Discord that supports real-time Q&A for learners.*

TechStack: Nodejs

- *Integrated OpenAI GPT APIs with Discord to build an AI assistant for instant student Q&A.*
- *Enabled real-time responses and searchable history for learning reinforcement.*
- *Reduced manual support load by 60% through automation.*

🔗 *Internal project (not publicly hosted)*

PORTFOLIO WEBSITE:

Explore more of my work at:

🌐 *www.kaidev99.com*