NGUYEN THANH DAT

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Professional Summary

Results-oriented Full-Stack Developer with 6+ years of experience building and deploying scalable web applications and backend systems. Proficient in JavaScript/TypeScript ecosystems (Node.js, Nest.js, React, Next.js) and cloud platforms (AWS). Skilled in database management (SQL/NoSQL), microservice architecture (RabbitMQ, Redis), and CI/CD practices. Experienced team lead committed to Agile methodologies, code quality, and delivering impactful software solutions.

Technical Skills

Programming Languages: JavaScript / TypeScript, Java, Python, PHP

Frameworks / Libraries: NodeJS, React, React Native, Nest.js, Next.js, Koa JS, Vue JS, Socket.io, Tauri, Laravel, Redux, Tailwind CSS, Ant Design, Material UI.

Tools: Jira, Git, Postman.

Databases: MySQL, MongoDB, PostgreSQL, Redis, Elasticsearch, Materialized Views.

Cloud Platforms: AWS, Google Cloud Platform.

Tech Stacks: RabbitMQ, Docker, API Gateway, Search Optimization, System Notifications.

Education

Thu Dau Mot University, Software Engineering - GPA: 8.03/10
6/2016 - 6/2020.

Achievements

2023
Received Certificate of Excellence for performance in Q1.
2018
- Second prize in the "Creative Start-up" contest in BinhDuong Province.
- First prize in the Creative Start-up Contest of ThuDauMot University.
2017
Recognized as one of the Top 5 Leaders of National Students 2017.

Professional Experiences

Full-Stack Developer - Liberty Techonology VN
February 2023 – Present

- Designed and developed backend services using Nest JS, MySQL, MongoDB, Redis, and AWS Cloud, ensuring scalability and reliability.
- Managed and deployed services on Ubuntu Server and AWS, optimizing performance and availability.
- Built responsive and interactive web applications using Next JS, ReactJS, and React Native, delivering seamless user experiences.
- Implemented key features such as real-time notifications, authentication, payment gateways, and subscription systems.
- Worked with RabbitMQ, Redis, and WebSocket Microservices to enable efficient real-time communication, asynchronous task processing, and optimized data caching.
- Ensured code quality and system reliability by implementing design patterns, unit testing and code reviews, delivering robust and scalable software solutions.
- Automated data crawling for social media platforms (Facebook, Instagram, TikTok, YouTube) using GitHub Actions

Full-Stack Developer - U&I Logistics Corporation
May 2021 – February 2023

- Developed responsive web applications using ReactJS, Ant Design, Material UI, Redux, and Tailwind CSS, showcasing expertise in front-end development and UI/UX design.
- Built cross-platform mobile applications for Android and IOS using React Native, demonstrating proficiency in mobile app development.
- Designed and implemented scalable backend systems using NodeJS, KoaJS and Socket.io, with a focus on real-time communication and efficient data handling.
- Delivered high-quality software solutions for enterprise-level systems, adhering to best practices in agile development, version control (Git), and code review processes.
- Improved team workflows by integrating CI/CD pipelines and ensuring deployment automation.
- Established CI/CD pipelines on Windows Server using GitHub Actions, ensuring seamless deployment automation and improving development workflows.
- Set up and led Scrum teams using Jira for agile project management, fostering collaboration and productivity.
- Handled API development and integration using C# with MongoDB, optimizing database performance and ensuring seamless data retrieval.

FullStack Developer – Nest Tech VN
5/2020 - 5/2021

- Developed a RESTful API for scalable web services using Node.js and Koa.js, ensuring clean, modular architecture.
- Implemented Redis for caching and session management, optimizing API response times and enhancing system performance.
- Designed and documented API endpoints with tools like Swagger for seamless frontend integration and easy scalability.
- Built an administrator management dashboard for an e-commerce platform using Vue.js, improving operational efficiency.
- Created reusable, component-based UI elements for a modular and maintainable frontend codebase.
- Integrated RESTful APIs for real-time data updates, enabling features such as user role management, analytics, and activity tracking.
- Ensured responsive design and optimal user experience by implementing modern UI/UX principles.

Backend Developer - TTS (thitruongsi.com)
5/2019 - 5/2020

- Developed a RESTful API for an e-commerce platform using the PHP Laravel framework.
- Implemented a split-database architecture utilizing MongoDB for unstructured data storage and MySQL for relational data management.
- Integrated Elasticsearch to provide advanced search capabilities for product listings.
- Utilized RabbitMQ for asynchronous messaging and queue management to improve system performance.
- Connected to an external order service to streamline transaction processing and ensure seamless order management.
- Designed the system to handle scalability and optimize performance for a high-traffic e-commerce business.

Projects

- **TTS (thitruongsi.com)** (*Backend Developer*): Developed a RESTful API for a B2B e-commerce platform connecting wholesale buyers and suppliers. Utilized PHP Laravel, MongoDB, MySQL, Redis, Elasticsearch, and RabbitMQ to ensure scalability and performance.

- **OddJob (oddjob.vn)** (*Fullstack Developer*): Built a platform connecting businesses with freelance professionals. Developed RESTful APIs, customer web apps, and dashboards using NodeJS, KoaJS, Docker, Vue.js, MongoDB, Redis, and Elasticsearch. Implemented features for job posting, bidding, real-time communication, and secure payment processing.

- **Teach Live** (*Backend Developer*): Developed the server-side logic for an online learning platform using NodeJS and jQuery. Implemented user authentication, payment integration, and a responsive interface. Utilized MongoDB and Redis.

- **Kalpha** (*Frontend Developer*): Built the website for a peer-to-peer learning platform using NodeJS (SSR) and ReactJS. Focused on user matching, session scheduling, payment integration, and real-time notifications.

- **U&I TMS** (*Frontend Developer*): Developed the UI for a container management system using ReactJS and React Native (Android & iOS). Built web apps for employee management and mobile apps for drivers. Utilized Jira for Scrum team management.

- **U&I CRM** (*Customer Relationship Management System*) (Fullstack Developer): Developed a CRM system for a logistics company using ReactJS and C#.NET. Built web and mobile applications for customers and employees. Developed RESTful APIs using C#.NET and MongoDB.

- **U&I Chat App** (Fullstack Developer): Developed a desktop chat application for internal communication using NodeJS, TauriJS, ReactJS, KoaJS, and Socket.io.

- **Liberty Exchange** (Transfer & Exchange Money) (Backend Developer): Developed RESTful APIs for a money transfer platform using NestJS, MySQL, MongoDB, Redis, and AWS. Implemented real-time currency exchange rate updates and notifications.

- **Liberty Carz** (Ecommerce for Car Market) (Full-Stack Developer): Developed an e-commerce platform for the car market (buying, selling, rentals) using NestJS, WebSocket, ReactJS, Next.js, React Native, RabbitMQ, AWS SQS, MySQL, MongoDB, and Redis. Built web apps, dashboards, and mobile apps (customer and merchant), including a recommendation system, notifications, authentication, payment gateways, subscriptions, and a data crawler. Implemented CI/CD pipelines.

- **Vitadairy Loyalty System** (Java Backend Developer): Implemented a customer loyalty program using Spring Boot, Microservices, Kafka, K8s, PostgreSQL, and Redis on Google Cloud. Developed a game-based reward system integrating third-party services.

Interests
Football, Game, Reading Books.