

Tuan Dung Nguyen

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OBJECTIVE

I am a dedicated full-stack developer with nearly 3 years of experience specializing in TypeScript and modern web technologies. My expertise spans across front-end and back-end development using React, Next.js, NestJS, and Hasura GraphQL. I have hands-on experience with Docker, Redis, and Pub/Sub to optimize system, performance, scalability, and maintainability. Additionally, I leverage Firebase and AWS services, implementing CI/CD pipelines and serverless architecture to build secure, high-performance cloud applications.

EDUCATION

9/2019 - 6/2024	Posts and Telecommunications Institute of Technology Information Technology Specialized in Software Engineering
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WORK EXPERIENCE

4/2024 - Present	Avada Group Full-stack Developer Contributed to the development of a messaging support SaaS for customers on the Shopify platform, with Facebook integration. Integrating AI for the chat feature helps customers ask questions and search for products that meet their needs. Key Features & Contributions: - Engineered a real-time chat interface enabling seamless communication between merchants and customers. - Integrated an AI-powered chatbot to handle FAQs and provide 24/7 automated assistance. - Built and published Shopify embedded apps to extend store functionality. - Implemented multilingual FAQ translation to improve global accessibility. - Automated analytics report delivery using cron jobs and Google Pub/Sub pipelines. - Unified customer communication by integrating Meta Graph API (Messenger, Instagram, WhatsApp). - Developed an AI assistant with Weaviate and ChatGPT for product suggestions and intelligent responses. Tech Stack: React, Express.js, Firebase (Firestore, Authentication, CloudFunctions, Storage), Redis, Meilisearch, Weaviate, ChatGPT, SES.
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2/2023 - 3/2024	Zinza Technology
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Full-stack Developer

Developed a comprehensive web application for an accounting business, leveraging modern technologies and frameworks to enhance functionality and user experience.

Key Features & Contributions:

- Engineered dynamic and responsive UIs with Next.js, Material UI, AG Chart and SCSS.
- Documented reusable UI components with Storybook, improving collaboration and design consistency.
- Built backend services with Hasura GraphQL and Express, connected to a PostgreSQL database.
- Implemented secure authentication with Auth0 to safeguard user data.
- Automated type generation (fragments, schema, operations) using Codegen for efficient data handling.
- Enhanced reliability through unit and integration testing with Jest.
- Containerized and deployed applications using Docker for consistent environments.

Tech Stack: Next.js, Material UI, Hasura, Apollo Server, Express, PostgreSQL, Auth0, Jest, Storybook, Sentry, Filestack, Docker, ECS.

8/2022 - 1/2023

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Frontend Developer

Contributed to the development of a resident management web application for building administrators.

Key Features & Contributions:

- Built responsive and dynamic UIs with React, leveraging Ant Design and Tailwind CSS for modern, consistent styling.
- Implemented state management using Redux Toolkit, ensuring scalable and maintainable data flow.
- Developed form handling and validation with React Hook Form + Zod for efficient resident and payment information input.
- Collaborated with designers using Figma to translate UI/UX mockups into high quality components.

Tech Stack: React, Redux Toolkit, React Router v6, React Hook Form, Zod, React Query, Ant Design, Tailwind CSS.

CERTIFICATIONS

August 2025

AWS Certified Developer – Associate

Amazon Web Services

Credential ID: 1563f47d95f54ca38d82bfe1b7d6169a

Link: <https://www.credly.com/badges/7c557d54-9212-4c5f-adb3-200dfb35096a>

May 2025

Graph Developer - Associate

Apollo GraphQL

Credential ID: 138640fb-c59d-46fc-bc22-e31b284358ee

Link: <https://www.apollographql.com/tutorials/certifications/138640fb-c59d-46fc-bc22-e31b284358ee>

SKILLS

TypeScript

- Expert in designing scalable and maintainable type systems for large codebases
- Proficient in advanced generics, utility types, and complex type transformations

	- Skilled in enforcing strict typing with async workflows, Promises, and data validation
Frontend	- React, Next.js: SSR, SSG, ISR, App router, custom hooks, reusable components - UI libraries: Shadcn, Material UI, Ant Design, Tailwind CSS, Framer Motion - Utilities: React Query, React Virtual, Zod, React Hook Form
Backend	- NestJS, Hasura, Apollo Server - RESTful & GraphQL API development - Pub/Sub, message queue, caching: Redis, BullMQ, Firebase Cloud Messaging, SQS, SNS - Serverless: AWS Lambda, Firebase Functions
Databases & ORM	- PostgreSQL, MongoDB, Firestore, DynamoDB, RDS - Prisma, TypeORM
Amazon Web Services	- IAM roles & policies - EC2, S3, Lambda, API Gateway, VPC - Containerized deployments with Docker & ECS
CI/CD & DevOps	- GitHub Actions, GitLab CI/CD - Docker (multi-stage builds, optimization)
Productivity Tools	- App Shortcut, Figma, Notion, Cursor