

Tuan Dung Nguyen

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ABOUT ME

I am a dedicated full-stack developer with 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, Message Queue 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. - Built an AI-powered assistant using Weaviate and ChatGPT to handle FAQs, suggest products, and provide intelligent 24/7 support. - Automated analytics report delivery using cron jobs and Google Pub/Sub pipelines. - Unified customer communication by integrating Meta Graph API (Messenger, Instagram, WhatsApp). - Implemented S3 for scalable file storage and integrated CloudFront to accelerate content delivery and enhance performance. Tech Stack: React, Express.js, Firebase, BigQuery, Redis, Meilisearch, Weaviate, ChatGPT, S3, CloudFront.
2/2023 - 3/2024	Zinza Technology 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.

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

8/2022 - 1/2023

Luci

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, React Router, 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, responsive design, dark mode - UI libraries: Shadcn UI, Material UI, Ant Design, Tailwind CSS, Framer Motion - Utilities: React Query, React Virtual, React Hook Form, Zod, Zustand, Redux
Backend	- NestJS, Hasura, Apollo Server: RESTful & GraphQL API - Event & Task Handling: Redis, BullMQ, SQS, SNS, Firebase, EventBridge - Auth & Security: JWT, Auth0, Firebase, OAuth, Rate limiting - Serverless: AWS Lambda, Firebase Functions
Databases & ORM	- PostgreSQL, MongoDB, Firestore, DynamoDB, RDS - Prisma, TypeORM
Amazon Web Services	- IAM roles & policies (security best practices) - EC2, ECS, S3, CloudFront, Lambda, API Gateway, Bedrock - Auto Scaling & Load Balancer
CI/CD & DevOps	- GitHub Actions, GitLab CI/CD - Docker (multi-stage builds, optimization)