Tuan Dung Nguyen

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OBJECTIVE

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, and Message Queue 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

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 Al-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.

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

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, custom hooks, reusable components, 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
Backend	 NestJS, Hasura, Apollo Server: RESTful & GraphQL API Event & Task Handling: Redis, BullMQ, SQS, SNS, Firebase, EventBridge Auth & Security: JWT, Auth0, Firebase Auth, 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, Auto Scaling & Load Balancer, S3, Lambda, API GatewayDockerized deployments with ECS
CI/CD & DevOps	- GitHub Actions, GitLab CI/CD- Docker (multi-stage builds, optimization)

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