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 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 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.
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 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 Gateway - Dockerized deployments with ECS
CI/CD & DevOps	- GitHub Actions, GitLab CI/CD - Docker (multi-stage builds, optimization)

- 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