

Nguyen Ngoc Truong

Full Stack Developer

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Gia Lam, Hanoi

Professional Summary

I am a Full Stack Developer specializing in JavaScript/TypeScript and modern web technologies. I have experience developing both frontend and backend systems using React, Next.js, KoaJS, NestJS, and GraphQL Server, while implementing Docker, Redis, and Pub/Sub to optimize performance, scalability, and system reliability.

In addition, I have worked with Firebase and Google Cloud, applying CI/CD practices and serverless architecture to build secure and high-performance cloud applications. I have also self-studied AWS services to expand my cloud expertise.

My long-term career goal is to grow strongly as a Full Stack Developer, progress toward becoming a Cloud Architect, and eventually take on the role of Technical Project Manager, contributing to team leadership and the successful delivery of critical projects.

Technical Skills

Programming Languages: TypeScript, JavaScript

Back-end: Express.js, Koa.js, NestJS
REST API, GraphQL
Cloud Functions, Pub/Sub, Cron jobs, JWT, Redis, Firebase, Rate limiting, Elasticsearch

Front-end: ReactJS, NextJS (CSR, SSR, SSG, ISR), Responsive Design
React Query, React Virtual, React Hook Form, Zod, Zustand, Redux
Tailwind CSS, SCSS, Bootstrap
Shopify Polaris, Shaden UI, Material UI, EditorJS, Liquid

Database: MySQL, PostgreSQL, Firestore, Supabase, MongoDB, Chroma
Prisma, TypeORM

Cloud: Google Cloud Platform: Firebase, Cloud Functions, Cloud Run, Cloud Storage, Pub/Sub
AWS: EC2, IAM, S3, Lambda, CloudFront, Route 53, Auto Scaling, Load Balancer
Docker, Redis, Apollo Server, Elasticsearch

Others: OpenAI (API, Codex, ChatGPT), Replicate (API), Cursor, Claude

Work Experience

Avada Group **Full Stack Developer** *04/2024 – Present*

Projects

Blog Post Builder *05/2024 – Present*

- **Position:** Full Stack Developer
- **Technologies:** ReactJS, Redux, Tanstack Query, React Hook Form, Zod, KoaJS, Firebase Functions, GraphQL, LangGraph, LangChain, OpenAI API, Anthropic Claude API, Cloud Firestore, BigQuery, Redis, Shopify Polaris, Shopify Liquid, Shopify API, Docker, GitLab CI/CD, Jest
- **Description:** This project integrates the “SEO On: Blog Post Builder” application into Shopify stores

to enhance SEO blog writing and content optimization. AI technology is used to intelligently suggest outlines, keywords, titles, meta descriptions, and article structures. As a result, content creation becomes faster, higher in quality, and more effective at attracting organic traffic. The ultimate goal is to increase conversions from blog content to products and improve overall store SEO performance.

- **Responsibilities:**

- Developed blog creation features using ReactJS, KoaJS, and EditorJS (core).
- Built multi-flow AI Agents using LangGraph to generate complete blog content, including AI-generated images per section and custom UI processing.
- Designed the database and built a CRM service system for the Feature Request module across all company products, packaged as an npm library.
- Integrated OpenAI, Anthropic, and Replicate APIs to generate content, images, custom HTML, and Shopify Liquid themes.
- Designed caching architecture using Redis and CDN to optimize cost and performance.
- Implemented real-time features using Firestore combined with Firebase Pub/Sub, Cloud Functions, and API Proxy.
- Extended EditorJS core by creating custom UI blocks and optimizing JSON output.
- Built APIs and integrated with Shopify GraphQL and REST APIs to manage blogs, metadata, SEO structure, metafields, and webhooks.
- Provided technical support and handled custom client requirements during project operations.

Avada SEO Suite

08/2024 – Present

- **Position:** Full Stack Developer
- **Technologies:** React, Redux, TanStack Query, Tailwind CSS, Chart.js, Koa.js, GraphQL, Zod, LangChain, LangGraph, Anthropic Claude API, OpenAI API, ChromaDB, Firestore, MongoDB, BigQuery, Firebase, Google Cloud PubSub, Shopify Polaris, Shopify Liquid, Shopify App Bridge, Shopify Extensions, Lighthouse
- **Description:** Avada SEO Suite is a flagship application contributing 30% of the company's total revenue with high traffic volume. It is a comprehensive SEO optimization app for Shopify stores, automating tasks such as SEO audits, on-page optimization (meta titles, alt text, internal links), image optimization, and website speed improvements (lazy loading, compression). AI features assist with content suggestions and SEO structure improvements, helping enhance organic search performance and user experience.
- **Responsibilities:**
 - Developed AI Agents using LangGraph with Message Queue to detect user requests and trigger pre-defined logic tools and functions.
 - Implemented GraphQL server with Query and Subscription, along with API proxy for customers and third parties.
 - Built large-scale data synchronization to Elasticsearch for fast querying and automated future sync.
 - Implemented image optimization system using Cloud Storage triggers, Cloud Functions, and Pub/Sub.
 - Built SEO scoring system based on Google Technical SEO standards and packaged it as an npm library.
 - Developed npm packages: **AvadaXYoastSEO.js** and **Avada-components-seoon**.
 - Implemented cron jobs integrated with Pub/Sub to process business logic per customer requirements.
 - Reviewed feature logic and continuously updated the project with modern technologies.

Certifications

Apollo GraphQL – Graph Developer Associate

NVIDIA – Building RAG Agents with LLMs

Google Cloud – Build a Website