

Contact

www.linkedin.com/in/hoanghai1803
(LinkedIn)

Top Skills

Redis

Git

Large Language Models (LLM)

Hai Nguyen

Software Engineer

Da Nang City, Vietnam

Experience

Spartan

Software Engineer

October 2024 - Present (6 months)

Da Nang City, Vietnam

- Building modern web and mobile applications for early-stage startups, using Micronaut (Kotlin) for microservices, FastAPI (Python) for AI services, and React (TypeScript) for the front-end.
- Leveraging PostgreSQL for databases, Redis for caching and distributed lock, optimizing authentication and authorization flow with caching, and WebSockets for real-time processing.
- Orchestrating cloud architecture on AWS, utilizing EC2, SQS, SNS, SES, RDS, and S3.
- Developed a RAG pipeline using LangChain and chain-of-thought reasoning. Leveraging Azure AI Document Intelligence for document parsing and OpenSearch Vector Store for embedding, storing, and retrieving data.

TechSoft

Back End Engineer

August 2024 - October 2024 (3 months)

Da Nang City, Vietnam

- Developed and maintained backend for modern healthcare web and mobile applications using ASP.NET Core 7, applying Clean Architecture and CQRS pattern.
- Designed and implemented a comprehensive pipeline to analyze customer data, provide personalized advice, and recommend medicines or supplements based on a pre-prepared questionnaire from healthcare experts. Enabled doctors to monitor customer progress via an intuitive admin interface.
- Managed cloud infrastructure on AWS, leveraging EC2 for hosting, Cognito for secure authentication and authorization, RDS (PostgreSQL) for relational database management, and S3 for scalable media storage.
- Delivered real-time functionality using Firestore and Firebase Cloud Messaging (FCM) for notifications. Seamlessly integrated Stripe for secure and efficient payment processing.

Education

FPT University

Bachelor's degree, Artificial Intelligence