

Harry Duong

Full-Stack Engineer

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SUMMARY

I'm a seasoned full-stack developer with deep expertise in TypeScript, React, React Native, Node.js, and decentralized applications. With strong hands-on experience and a background in technical leadership, I've led teams and delivered complex systems — but my true passion lies in building real products that solve real user needs. I focus on delivering practical, high-impact solutions rather than assumptions, and I thrive in environments where code, performance, and user experience drive everything.

SKILLS

Web Development

Advanced

ReactJS, Redux, GraphQL, NextJS, Tailwind, Ant design, SEO, PWA, AMP, TypeScript

Mobile Development

Advanced

React Native, Firebase, Ionic, TypeScript, OneSignal

Backend Development

Advanced

NodeJS, NestJS, GraphQL, Golang, MySQL, PostgreSQL, Redis, MongoDB, ORM, Elasticsearch, TypeScript

DevOps

Advanced

Docker, Cloudflare, Kubernetes, Rancher, Grafana, Ansible, GitOps, CI-CD, Infrastructure as code

TechStack

Advanced

AWS Cloud Service, Microservices, High Availability, Socket.io, gRPC, RabbitMQ, Kafka

Others

Advanced

Web3, DApps, System Design, DB Design, OWASP, XSS Attack, SQL Injection, Sonarqube, ESLint, Authentication, Authorization

WORK EXPERIENCE

Jul 2023 - Current

Team Leader at Private

📍 Ha Noi, VN

Crypto Product Company

- Building an EVM-compatible blockchains online payment system
- Develop DApps on Telegram Mini Apps
- Develop games with Provably Fair mechanics
- Send notifications related to telegram channel
- Manage user wallets and track transactions
- Collect money from sub-wallets to main wallet
- Build a statistics dashboard using Grafana

Dec 2021 - Jul 2023

Team Leader at SEAL Commerce

📍 Ha Noi, VN

Global Product Company

- Technical leadership & team mentorship
- System design & architectural decision-making
- Technical hiring & onboarding

- Code review & quality assurance
- Build a page builder solution for shopify and use shopify as a headless storefront
- Develop Headless storefront using NextJS connect to Shopify and BigCommerce
- Participate in building user experience with Page builder
- Develop Monorepos with React and Turborepo
- Optimize Google SEO for Online store
- Optimize PageSpeed Insights with Lighthouse

Jul 2019 - Nov 2021

Technical Leader at NTQ Solution JSC

📍 **Ha Noi, VN**

Outsourcing company

- Technical leadership & team mentorship
- System design & architectural decision-making
- Technical hiring & onboarding
- Code review & quality assurance
- Build multi-project with NodeJS & React JS using GraphQL
- Develop Healthcare, Insurance, E-Commerce projects
- Optimize Google SEO
- Build Core Starterkit for NodeJS, ReactJS, React Native
- Build infrastructure, Auto deploy, high availability
- Performance test, load test, soak test and stress testing
- Support bidding process

May 2015 - Jun 2019

Senior Developer/Technical Leader at QSoft VietNam

📍 **Ha Noi, VN**

Outsourcing company

- Develop multi-project with ReactJS
- Develop RESTFul API with Laravel, NodeJS
- Technical Training
- Build Core Starterkit for NodeJS, ReactJS
- Build store with AngularJS
- Develop RESTFul API with Laravel
- Code Review

Dec 2013 - Apr 2015

Developer at ASINCO

📍 **Ha Noi, VN**

Product company to develop game for mobile

- Build backend management for CardGame with Laravel
- Mobile Game development with Unity

PROJECTS

Private (Team Lead)

Skills: REST, NestJS, PostgreSQL, React, Refine, TypeScript, QuickNode, Viem, Telegram, Render

Crypto Payment Gateway

- Building an EVM-compatible blockchains online payment system
- Develop DApps on Telegram Mini Apps
- Develop games with Provably Fair mechanics

- Send notifications related to telegram channel
- Manage user wallets and track transactions
- Collect money from sub-wallets to main wallet
- Build a statistics dashboard using Grafana

GemPages (Team Lead)

<https://gempages.net>

Skills: GraphQL, NextJS, React, Vue, Go, SEO, TypeScript, Shopify

GemPages Instant Landing Page - Drag and Drop builder for E-commerce website

- Build components library for e-commerce website with React
- Building project architecture using NextJS with page builder
- Drag and drop editor components to build a storefront
- Optimize the performance of the website with Google Lighthouse

NTQ Solution (Technical Leader)

<https://www.mbageas.life>

Skills: GraphQL, NextJS, NestJS, SEO, TypeScript

MBAges - Insurance company website

- Design a new website interface according to modern trends, support SEO-Marketing
- Integrate electronic payment gateway to allow users to pay online
- Develop tools to analyze costs and insurance package routes according to logic from customers

FazzDoc (Technical Leader)

<https://www.facebook.com/fazzdoc>

Skills: Healthcare, Booking, Typescript, React, React Native, NodeJS, GraphQL, PostgreSQL, ElasticSearch

The health technology scene is very hot in Indonesia, but coming with complex business models. Moreover, booking a doctor is still very manual and hassle, done via telephone call or sometimes SMS, no guarantee. It is not very comfortable for patients. Our goal is to create Fazzdoc to be the 1st choice of users whenever they need to visit the doctor, plus book the doctor with the simplest and easiest way. Other than that, we need to supply the most complete and helpful information related to the doctor and hospital.

- Search and return doctors, medical facility and specialties matching the key word
- User books an appointment with a doctor.
- User and the hospital receive an email for successful booking
- When the initial booking is modified by the doctor/hospital and other doctors/timeslot are suggested, user can select one of the suggestion to update the booking
- User can cancel a booking as long as it is not Completed or Cancelled

AIC (Technical Leader)

Jan 2021 - Current

<http://sythcm.smartmedical.vn>

Skills: Medical, Typescript, React, NodeJS, Socket.io, GraphQL, PostgreSQL, Kafka, Kubernetes, FHIR

Medical device management and transfer system

- Centralized medical device management
- Understand medical equipment resources at affiliated medical facilities in real time
- Predict the condition of medical equipment and give alerts
- Process management of medical facilities
- Asset management and statistics of medical facilities
- Transfer of medical equipment between affiliated medical facilities in case of emergency
- Synchronize data from medical facilities to centralized health departments
- Control price fluctuations in the procurement of medical equipment by medical facilities

EDUCATION

2009 - 2013

Bachelor Information Technology at Hanoi University of industry

Major courses: SQL Server, C#, Java

AWARDS

2020

Employee of the year at NTQ Star

An award for best performance employees

2019

Employee of the year at NTQ Star

An award for best performance employees

LANGUAGES

English

Intermediate

INTERESTS

Technology

Skills: Blockchain, Optimization,
Type-Safety