Nhat Quang **(Ethan)** Hoang

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SUMMARY

II am a Full-Stack Developer with two years of experience—one in React Native mobile development and one in commercial web development using modern JavaScript frameworks.

Pursuing a master's degree (3.9/4.0 GPA) with one semester left, I am currently focused on cloud computing. I share projects on GitHub and YouTube.

SKILLS

Programming languages: JavaScript/TypeScript • C# • Kotlin • PHP • Python

Frontend: ReactJS • VueJS • React Native • Kotlin   **Backend:** NodeJS • Laravel • ASP.NET • REST • GraphQL

Database: MySQL • PostgreSQL • Cassandra • MongoDB • Redis   **Testing:** Jest • Detox • Espresso

DevOps: AWS • Azure • Firebase • Cloudflare • Terraform • Jenkins • Docker • Kubernetes • Git • GitHub Actions

Server: Ubuntu • Red Hat • Bash/Shell Script • Nginx • Apache

Others:
- Solid understanding of OOP methodologies, data structures and algorithms
- Experience in system design, performance optimization.
- Agile, teamwork, project management, start-up & big-tech environment

CERTIFICATIONS

AWS Certified Developer - Associate (DVA-C02)   Aug 2024 - Aug 2027

PROFESSIONAL EXPERIENCES (FULL-TIME)

Full-stack Developer │ IRLY - I Really Like You   Oct 2022 - Aug 2023

React Native, Redux, NodeJS, PostgreSQL, Prisma, Redis, AWS, Firebase, Fastlane, Socket.io, Twilio

Video-based dating app (like Tinder but videos & live calls instead of images)

Responsibilities:
- Designed and implemented the UI based on Figma, with smooth animations and transitions.
- Built authentication with OAuth, multi-image uploads, created a device-syncing 'pause register' feature.
- Integrated geolocation to recommend nearby users or those within a preferred distance.
- Developed an online user pool for matching, swipe actions for rejecting (left) or joining live calls (right).
- Added chat functionality with Socket.io, live calls using Twilio, and dynamic overlays on video calls for games.
- Managed matched/rejected users and implemented push notifications.
- Built, uploaded, and distributed new releases to TestFlight, App Store, and Google Play.
- Onboarded interns and reviewed their pull requests.

Achievement:
- *Recommendation letter from CEO*

CASUAL, PART-TIME, INTERNSHIP

Student Ambassador │ Education Centre of Australia   Jun 2024 - Dec 2024

PHP, JavaScript, Laravel, Azure, Hadoop, Kafka, Python

Coding mentor

Responsibilities:
- Taught people how to become good developers.
- Made the class fun and was the ChatGPT for everyone.

Achievement:
- *Mentor certificate*

Full-stack Developer │ ADC Software   Sep 2023 - Jun 2024
ReactJS, Laravel, PHP, ASP.NET, C#, MySQL, AWS

Multiple outsource projects (restaurants, hotels, car sales)
Responsibilities:
- Developed small websites tailored to client needs, displaying content like menus, rooms, and cars.
- Managing reservations with email confirmations.
- Delivered fast, effective solutions within 3 months. Wrote SEO-optimized content.

Achievement:
- Recommendation letter from Director

Frontend Developer Intern │ FPT Software   Sep 2022 - Dec 2022
React Native, Detox, Cucumber framework, End-to-end testing

Insurance company mobile app
Responsibilities:
- Resolved minor frontend bugs.
- Wrote & executed end-to-end test cases, reporting results to the project manager.

Achievement:
- Recommendation letter from Project Manager

EDUCATION   TRILINGUAL

Master of Information Technology (Professional Computing) - Cyber Security   English
Bachelor of Information and Communication Technology - Software Technology   Vietnamese
Swinburne University of Technology - Australia, *2020 - May 2025*   Chinese (Mandarin)
- *GPA: Masters:* **3.9/4.0**; *Bachelors: 3.25/4.0;* *Academic Transcript*
- Dean's list in semesters Feb 2024 & May 2024

PERSONAL PROJECTS

A Restaurant Ordering System, E-commerce (16k+ views on YouTube. 100+ stars, 33 forks)
Vue.js, Node.js, MySQL, REST APIs, CSS, JavaScript, MVC design   GitHub, Demo Video
Kotlin, Node.js, MySQL, REST APIs   GitHub, Demo Video
Filtered menu, order food, shopping cart, payment check out, order management, progress tracking.

A Websites Monitoring System   GitHub
AWS CDK JavaScript, Lambda, API Gateway, S3, DynamoBD, CloudWatch, SNS, IAM, Secret Manager
CodePipeline, CodeBuild, CodeDeploy, Multi-stage & Multi-region Deployment, CI/CD
Jest testing, Assertions (Unit) Test, AWS Mock (Integration) Test

An Online XO Game   GitHub, Live Test
React.js, Node.js, MySQL, REST APIs, Socket.io, Nginx, AWS, EC2, Terraform
Creating rooms allows users from all over the world to play the XO game online

A Chess AI Game   GitHub, Demo Video
C#, .Net, Winform, Minimax Algorithm, OOP
Chess full rules applied: possible moves, checkmate, king castle, pawn promotion

An Arduino Robot Car and Internet-based Remote Control System   GitHub, Demo Video
Arduino and sensors, C++, JavaScript, Python
Firebase, MQTT protocol, Speech Recognition, MediaPipe (Computer Vision)

AUSTRALIAN WORK PERMISSION

Student Visa (subclass 500)   Expiration date: 15 November 2025
Then Graduate visa (subclass 485)   Expected expiration date: 15 November 2027

Only only only from March to April 2025 (2 months), I am available part-time (Monday, Tuesday, and Friday) as I complete my final semester. With a typical one-month hiring process, my part-time availability would be about a month. Then **I can work full-time from 1st May 2025.**