

Binh Ong

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Work Experience

TOGO GROUP

Ho Chi Minh City (Full-time/Contractor)

CTO

July 2024 – present

CTO Roles:

- Strategizing and planning human resources for the technology department.
- Leading the development and implementation of technologies.
- Overseeing the technology roadmap to ensure alignment with business goals.
- Managing and mentoring the technology team to drive innovation.

Achievements:

- Built an MVP within a month with a team of 3, overcoming numerous technical challenges.
- Customized & built an alternative product to Google Maps, reducing total running costs by 99%.

Tech stacks: NextJS, NestJS (NodeJS + Express Framework), MongoDB, A, OSM PBF (OpenStreetMaps - Protocol buffer Binary)*

Grape Chain

Ho Chi Minh City (Full-time)

Software Engineer / CEO - Co-founder

July 2022 – present

As Software Engineer roles:

- Designing scalable software systems for quantitative financial data crawling, cleaning and operations. Reduced daily data processing time by 90%. Handled a dataset of over 2 TB.
- Automated data validation checks, reducing manual error checking by 99%.
- Designed a fault-tolerant system that achieved 99.9% uptime, supporting critical financial operations.
- Collaborating with data scientists and analysts to meet their modeling needs.

As CEO / Co-founder roles:

- Provided strategic leadership and made high-level decisions for the quantitative financial system.
- Oversaw financial management and monitored market trends.
- Raising funds to fuel our company's growth and vision.

Tech stacks: Python, Numba, NestJS (NodeJS + Express Framework), AWS (EC2, S3) MongoDB, MySQL,...

Shopdi

Ho Chi Minh City (Full-time)

Technology Assistant / DevOps / Engineer

May 2022 – Jan 2023

As DevOps roles:

- Deployed 10+ new applications based on requests from development teams.
- Monitored infrastructure with over 20+ services on AWS and CMC Cloud.
- Managed and operated production, staging, and development environments with over 25 micro-services running.
- Implemented an in-house website dashboard and application for easy and early tracking problems.

Team size: 20-25.

Tech stacks: NestJS (NodeJS + Express Framework), MongoDB, React, Kubernetes (and Docker), Jenkins, Nginx, GitHub, GitHub Actions, AWS (S3, CloudFront, Lightsail, Fargate), and JIRA.

Bluebolt & Bluebolt Software

Business Analytics / Full-stack Developer

Ho Chi Minh City (Full-time)

July 2021 – May 2022

As Full-stack Developer roles:

- Created a front-end to back-end MVP version in less than a month for company.
- Developed a company's mini-app on Tiki Mini App.
- Operated and designed AWS infrastructure, ensuring up-time and scalable architecture.
- Conducted detailed plans & analysis for new product features, contributing to a 1400% increase in user growth and 85%+ in user retention rate.

As Business Analyst roles:

- Analyzed over 4 new projects annually, gathering and documenting customers & stakeholders requirements to tailor our outsourcing services.
- Collaborated with cross-functional teams to define project scope and deliverables in strict timeline.

Team size: 5-10.

Tech stacks: NestJS (NodeJS + Express Framework), MongoDB, PHP, jQuery, Git, Tiki SDK, AWS (EC2, S3, CloudFront, Lightsail, RDS).

Education

UMT University HCMC

Bachelor of Information Technology

2022 – Present

Ho Chi Minh City, Vietnam

Awards & Honors

Top 5 at Impact Entrepreneurship Bootcamp (IEB)

2022

Lead The Change, PNJ

1st place at VGU Innovation Challenge 2022 (Most Innovative Project)

2022

VGU University, Binh Duong City Science and Technology Department

Top 3 National at Zoonhackathon Vietnam

2021

U.S. Embassy Vietnam, FPT University, WILDAID, CHANGE

2nd place and Most Innovative Project at Tiki Hackathon Vietnam

2021

Tiki Vietnam, Google

Languages & Technologies

Proficient: JavaScript (NestJS, NodeJS and TypeScript) (3 years), Python (2 years)

Intermediate: React, PHP, jQuery, MySQL, MongoDB

Skills: Leading, Problem Analysis, Sales, Programming, Communication, Management, Teamwork.

Beside programming: UI/UX designer, Videographer, IT BA, Product Owner.

Projects

- **Synether:** A Seamless Hub for Starting, Managing, and Growing Your Business in Vietnam. (*Under incubation*) – *Crunchbase*
- **UniOne:** Platform for detecting stolen content on TikTok, Facebook, and YouTube. Alerts content creators if their content is used without permission. (*Top 5 at Impact Entrepreneurship Bootcamp 2022*) – *Pitching video*
- **Scammer.vn (Solo project):** Search engine to check information and avoid scams on Facebook and Zalo. Users can submit scammer details to warn others. (*3rd prize at Science and Technology Ho Chi Minh Competition, 2019*) – *Closed project*
- **10th Grade Enrollment System (Solo project):** Admission website for a high school in Ho Chi Minh City, streamlining registration during COVID-19. Reduced paperwork and processed 1,000+ student applications in a day. (*Used by Gia Dinh High School HCMC since 2019*) – *Demo Photos*
- **Smart CCTV (Solo project):** Software and hardware integration for theft detection in camera systems. Sends alerts to owner's smartphones using YOLO, OpenCV and Meanshift Algorithm. (*2nd prize at Science and Technology Ho Chi Minh Competition, 2020*) – *Demo video*