Binh Ong

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Summary

Entrepreneur with an innovation-driven mindset, passionate about leveraging technology to drive change and solve complex challenges. Proven track record in delivering impactful software solutions and leading engineering teams. Strong background in financial technology, full-stack development, and DevOps practices.

Work Experience

TOGO GROUP — Ho Chi Minh City (Contractor)
Director of Engineering — *July 2024 – present*

Director of Engineering Roles:

- Strategizing and planning human resources for the technology department.
- Leading the development and implementation of technologies.
- Overseeing the technology road-map to ensure alignment with business goals even with rapid changes in business models.
- Managing and mentoring the technology team to drive innovation.

Achievements:

- Built an MVP within a month with a team of 3 engineers, overcoming numerous technical challenges.
- Customized & built an alternative product to Google Maps, reducing total running costs by 95%.

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

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.

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*

DevOps Role:

- Deployed 10+ applications using Kubernetes to ensure scalability and seamless integration for development teams.

- Monitored infrastructure and workloads on AWS, CMC Cloud, and Kubernetes to maintain performance and uptime.

- Managed environments across production, staging, and development with 25+ microservices running efficiently on Kubernetes.

As Engineer roles:
- Developed MVP products.

- Implemented an in-house website dashboard and application for easy and early tracking of problems.

Team size: 20-25.

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

Bluebolt & Bluebolt Software   Ho Chi Minh City (Full-time)
Business Analytics / Full-stack Developer   *July 2021 – May 2022*
As Full-stack Developer roles:
- Created a front-end to back-end MVP version in less than a month for the company.

- Developed a company's mini-app on Tiki Mini App.

- Operated and designed AWS infrastructure, ensuring uptime and scalable architecture.

- Conducted detailed plans & analysis for new product features, contributing to a 1400% increase in user growth and 85%+ MRR growth.

As Business Analyst roles:
- Analyzed over 4 new projects monthly, gathering and documenting customer & stakeholder requirements to tailor outsourcing services.

- Collaborated with cross-functional teams to define project scope and deliverables within strict timelines.

- Developed an innovative approach to address customer challenges with limited resources.

Team size: 5-10.

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

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 Zoohackathon 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
Languages: English (IELTS 6.5 & PTE 64), Vietnamese (Native)
Skills: Leading, Problem Analysis, Sales, Programming, Communication, Management, Teamwork.
Besides 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*