



DANG VUONG BINH

ENGINEERING MANAGER

Backend/Infra | AI-enabled | 0→1+

+84 377 080 722

Dangbinh1996914@gmail.com

Hanoi, Vietnam

[LinkedIn](#)

[GitHub](#) — Eugene-17

Skills

- Project / Product management
- Systems Architecture
- Product R&D
- DevOps & CI/CD
- Workflow optimization
- Infrastructure budget Optimization
- Data analysis

Languages

- English: TOEIC 895
- Japanese: JLPT N3

About

Engineering Manager with 7 years building 0→1 and scaling AI-enabled products in Vietnam (real estate + automotive). Led teams of up to 12 engineers across backend, infra, and data/ML; shipped monetized mobile apps; reduced cloud + third-party API spend (saved \$50K+ in 2025); built recommendation systems, computer vision, and analytics-driven iteration loops.

Achievements

- **Core contributor to 3 products reaching 200,000+ users**
 - Built OKR planning + delivery cadence (milestones, ownership, weekly tracking) to align eng with business priorities.
 - Supported 0→1 launches and GTM execution across 3 products (requirements → delivery → iteration).
- **Delivered AI capabilities (Computer Vision, LLM, RecSys) that increased meaningful actions +50% (2025)**
 - Delivered Computer Vision + LLM components to solve listing enrichment, QA, and moderation.
 - Built personalization/ranking pipelines improving relevance and retention.
- **Reduced infrastructure + third-party API spend by \$50,000+ (2025)**
 - Implemented caching + vendor alternatives to cut API cost while maintaining latency/SLA.
 - Optimized DB queries + indexing; reduced compute/CPU hours and improved performance.
 - Leveraged cloud credits strategically without sacrificing reliability.
- **Improved engineering team performance**
 - Introduced AI-assisted spec breakdown to improve clarity and reduce rework.
 - Used AI coding assistance with quality gates (review checklist, lint/test) to maintain standards.
 - Implemented clearer leveling and performance criteria to support growth and motivation.
- **Optimized repetitive work through AI automation**
 - Automated data collection and listing cleanup workflows; doubled data-cleaning throughput.
- **Led CarNow team to Top 20 in Google AI Solutions Lab 2025**
 - Shipped vehicle valuation feature; recognized in Top 20 Google AI Solutions Lab 2025 and awarded \$200,000 GCP credits.

[Award Announcement](#)
[News Article](#)

Tools & Technologies

- Tools
 - Git, Jira, Linear, Notion
 - Figma, Canva
- Framework
 - Next.js
 - Flask
 - Django
 - Ruby on Rails
 - Vue.js
 - Spring Boot
- Database
 - PostgreSQL
 - MySQL
 - MongoDB
 - Neo4j
- AI/ML
 - Vertex AI
 - LLM Apps (OpenAI)
 - YOLO
 - Llama, GLM
- Libraries
 - PyTorch
 - OpenCV
 - NumPy
- Cloud & CI/CD
 - Google Cloud Platform
 - Vercel
 - AWS
 - Terraform
 - GitHub Actions
- Analytics
 - Metabase
 - BigQuery
 - PostHog
- App store
 - Apple App Store
 - Google Play Store

Experience



● HOUSENOW JOINT STOCK COMPANY

Engineering Manager – Backend Lead | 2023 – Now

- Led a 12-engineer team building and scaling CarNow + HouseNow products (backend, infra, analytics).
- Drove architecture decisions (cloud, CI/CD, data pipelines) improving reliability and reducing spend; saved \$50K+ in 2025.
- Shipped analytics instrumentation + dashboards to guide product decisions (what to track, how to track), improving iteration speed and prioritization.
- Partnered with business/marketing on roadmap, feasibility, and GTM; delivered monetization features (App Store / Google Play compliance).
- Established execution process (OKRs, sprint rituals, quality gates) improving delivery predictability.
- Maintained system stability and performance while supporting 50,000+ MAU at peak.

[CarNow – Website](#)

[HouseNow – Website](#)



● VEGA CORPORATION

Engineering Manager – AI engineer | 2021 – 2023

- Improved user conversion rate by 20% via recommendation system.
- Managed team of 6 engineers to research and develop alternative renting solution for Boston market:

[Nobee – Website](#)



● TRI-ARROWS – ARROW TECHNOLOGIES VIETNAM

Project Manager – Computer Vision Engineer | 2019 – 2021

- Analyzed the problem, designed solution and planned the delivery timeline.
- Managed team of 5 engineers to work directly with Japanese client creating solar panel maintenance solution:

[SolarDrone project](#)

● AI Engineer | 2018 – 2019

- Worked with team of 4 to develop time table reading OCR application:

[TriarrowOCR project](#)

Education

2014–2019

● Hanoi University of Science and Technology

HEDSPI K59 – Graduated with honor

Thesis: Utilizing Wide-deep model to predict diabetes – Nominated to be published on scientific journal

2011–2014

● Foreign Language Specialized School

English / Japanese specialized class