NGUYEN MANH CUONG

(+84) 888 264 006 | ngcuong0812@gmail.com | in/cuong-nguyen | killian0812.github.io

EXPERIENCE

Software Engineer   Jul 2024 – Present

MMenu Co., Ltd   *Full-time*

- Developed and maintained multiple F&B technology products including POS, HRM, CDP, CMS and BI with thousands of daily active users.
- Built and optimized cross-platform applications using Flutter, integrating peripherals such as printers, RFID, scanners, and cameras.
- Integrated payment gateways, accounting, reservation, and other business services using Node.js.
- Designed scalable MongoDB data models and implemented RESTful APIs.
- Implemented asynchronous reporting feature with chunked processing, AWS S3 storage, and AWS SNS.
- Applied Redis for caching and distributed locks; leveraged BullMQ for prioritized and concurrent background jobs.
- Managed Google Play Store releases, internal testing, and production rollouts.
- Improved CI/CD workflows for automated app builds and protobuf-based code generation.

Lab Member — Intern   Feb 2024 – May 2024

NAVIS Centre - SoICT   *Part-time*

- Worked on the Android module for front-door face recognition and anti-spoofing.
- Built the backend system to handle entry history logs, remote door control, alerts, and real-time video streaming.
- Developed the web and mobile applications using React Native for room administrators to monitor activities, remote control, and receive notifications.

Programming Tutor   Aug 2023 – Nov 2023

Gia Su Viet   *Part-time*

- Tutored university students in C++ programming, focusing on problem-solving, algorithmic thinking.
- Designed programming problems and tests to support learning and assessment.

EDUCATION

Hanoi University of Science and Technology   Ha Noi

Bachelor of Science in Computer Engineering - GPA: 3.25/4.0   *Aug 2021 – Sep 2025*

AWARDS & CERTIFICATIONS

Best Presentation Award – Thesis Defense, Committee of Logistics and eCommerce 01 (SoICT)	Jul 2025
Third Prize – Vietnam National Olympiad in Informatics (VOI)	Mar 2021
Silver Medal – Informatics Olympiad, High School for Gifted Students (VNU-HUS)	Jul 2020
Data Manipulation with pandas – DataCamp	Sep 2023

PROJECTS

TasteTube | *Flutter, Node.js, Firebase, Google Transcoder, Google Maps, Grab Express, OpenAI*   2025

- Built and deployed a cross-platform social video-sharing and e-commerce platform for the F&B community.
- Featured adaptive bitrate streaming, OAuth2 authentication, and an interaction- and content-based recommendation system.
- For users: personalized food content discovery, video interactions, and content uploading.
- For merchants: manage orders, dishes, analytics, and advertisements.
- Available at: **taste-tube.web.app**.

AirSense | *React Native, GCP, Google Maps, ESP32, Sensors, MQTT*   2024

- Built a mobile app to monitor air quality (AQI) in real-time and notify users entering polluted areas.
- Integrated sensor data and map visualization for enhanced environmental awareness.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Dart, C/C++, Java, Python, SQL, HTML/CSS
Frameworks: Flutter, React, React Native, Node.js, Next.js, NestJS, Spring Boot
Databases: MongoDB, PostgreSQL, MySQL, Redis, Firestore
Cloud: Firebase, Docker, AWS, GCP, K8s
Development: Git, VS Code, Cursor, MCP