Lai, Minh Ha

Email: laiminhha060@gmail.com
Phone: 0963749285
Address: 178/23 Phan Chu Trinh, Buon Ma Thuot City, Daklak province, Viet Nam
Github: https://github.com/zzhappyzebrazz
Linkedin: https://www.linkedin.com/in/minh-h%C3%A0-66b097177/

Work Experience

Viettel High Technology Industry Coperation **May 2023–Aug 2025**
Software Development Engineer

Working on the 5G-core project, CNE (Cloud Network Exposure) team, my development work primarily focuses on the NEF (Network Exposure Function) network entity and its Northbound API services.

- Analyze and break down the technical requirements in accordance with the 3GPP Release 16 of the 5G stand-alone system. Design and develop the following services: Procedures for Monitoring (Event Exposure) service; Background Data Transfer (BDT) service.
- Manage service onboarding procedures for third-party Application Function, including service provisioning; configuring the Service Level Agreement (SLA); and retrieving JWT access tokens for authentication and authorization via the OAuth2.0 framework.
- Configure and maintain the CI/CD pipeline for the NEF project. The pipeline includes SonarQube scans, Unit-testing, Kubernetes deployment using Helm charts, and functional testing.

DEK Technologies VietNam **Nov 2021–May 2023**
Software Engineer

Worked on the CSCF project, a central component in IMS architecture. The customer was Ericsson (Sweden), a global leader in Telecommunications.

- Took the role of **Security Master** in the team, ensuring that delivered software adhered to basic secure-coding standards based on the *SEI CERT C++* guideline. Defined a Way-of-Working for the secure-coding review, addressing a gap in the process when I assumed the role.
- Prepared content and performed an Early System Test for the customer's Emergency Package.
- Investigated and resolved the trouble reports (TRs) from the customer, ensuring fixes were integrated into the integration branch alongside contributions from other feature teams.

Intel Products Vietnam **Aug 2020–Feb 2021**
Engineering Intern

Worked in the Finish Inspection team within the Assembly Engineer department.

- Took hardware and machines built by a previous intern and my mentor. Monitored and troubleshot up to 30 Automated Dimensional Visual Inspection machines.
- Used an in-built SQL tool to access and crawl visual data from the VNAT factory database. Preprocessed the data to build a dataset for later machine learning activities.
- Trained and customized an Object Detection machine learning model using Python and the YOLOv3 model to identify manufacturing debris, foreign materials, and product defects on units such as Intel Comet Lake, Intel Whisky Lake, etc. The final demo model exceeded the target accuracy (80%) set by my mentor.

Education

Technical University of Ilmenau (TU Ilmenau) **Oct 2025–Now**
Master of Science: Communication and Signal Processing program

Ho Chi Minh City University of Technology (VNU-HCMUT) **Aug 2017–Nov 2021**
Bachelor of Engineering: Electronic and Telecommunication; GPA: 7.29

Thesis project: Indoor Air Quality Monitoring system
(*Github: https://github.com/zzhappyzebrazz/IndoorAirQuality-system*)

Technical skills

Software Development	C/C++, Go (Golang), Object-Oriented Programming.
Cloud-Native & DevOps	Kubernetes, Docker, Helm, Gitlab CI/CD.
Telecommunications	3GPP Technical Specification, RFC documents, IP Multimedia Subsystem (IMS), 5Gcore network.

Languages

VietNamese	Native
English	IELTS Academic module overall band score: 7.5 (Test date: 22/6/2024)
German	Goethe-Zertifikat A2 Total result: 89/100 (Test date: 11/08/2025)