# Nguyen Huu Kien

Lung Giang Ward · Lim Town · Tien Du District · Bac Ninh Province, Vietnam

✉ **kienngynh@gmail.com** ☏ (+84)559261197 ☺ **kienngynh** ⊕ **linkedin.com/in/kienbk60**

## Profile

A passionate Engineer with experience in embedded systems, blockchain technology and automation. Eager to contribute to innovative projects and leverage blockchain technology to solve real-world challenges.

## Skills

### Embedded

Experienced in designing, developing, and debugging firmware for microcontrollers and microprocessors.
Familiar with communication protocols such as I2C, SPI, UART, Modbus, BACnet, and Ethernet.
Knowledgeable in power management, signal processing, and sensor interfacing.

### Blockchain

Participated in projects with the well-known blockchain platform Polkadot.
Basic understanding of smart contracts, consensus mechanisms, and cryptography.
Capable of writing and deploying decentralized applications (dApps).

### Automation

Involved in developing and implementing automation solutions for various applications.
Experience with PLC programming and industrial automation systems.
Able to integrate automation technologies to improve efficiency and accuracy.

### Programming Languages

**Expert:** Rust, Python
**Proficient:** C++, C#
**Familiar:** PLC languages (Structured Text, Function Block Diagram)

### Technical Skills

Operating Systems: *Linux*, Windows
Cloud Platforms: GCP, Fly.io, Synology
Databases: SQLite, PostgreSQL
DevOps Tools: Docker, GitHub, Cargo, Pip
IDEs: Neovim
Documentation Tools: Quarto, Markdown, Mermaid Chart
Design & Simulation Tools: FreeCAD, KiCad, OpenFOAM

### Soft Skills

Excellent communication and teamwork skills.
Highly motivated and self-directed learner.

Adaptable and eager to take on new challenges.
Problem-solving and analytical skills.
English proficient for reading and listening, Chinese basic.

## Experience

**Blockchain Developer** (Freelance) [Bacninh, Vietnam] [2023-Present]

Developed and deployed smart contracts for various DeFi projects.
Built a decentralized marketplace on the Polygon network.

**Application Software Manager** [ITC Technology JSC] [Bacninh, Vietnam] [2022-]

Successfully migrated the company website to a new Rust-based platform.
Developed firmware for controllers and air conditioners, improving performance and reliability.
Led the development of user-friendly software for internal processes.

**Automation Engineer** [ITC Technology JSC] [Hanoi, Vietnam] [2018-2022]

Developed firmware and software for new fire alarms and building management systems.
Implemented automation solutions to improve efficiency and accuracy.

## Education

[B.A. Electronics Engineer] [*The School of Electronics and Telecom, Hanoi University of Science and Technology*] [Hanoi, Vietnam] [2015-2020]

## Interests

Participating in team-based computer games
Exploring new places through travel, walking, and hiking
Designing and building DIY gadgets