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

Sumary

Interested in embedded systems, IoT, and automation.
Ability to use Rust, Python, C#, C++ and PLC programing language.
Knowledge about blockchain and crypto finance.
Imbued with a passion for self-learning and improvement.

Experience

Software Application Manager
[ITC Technology JSC]
[Bac Ninh, Vietnam]
[2022-]

PLC Firmware Development
- Developed firmware for Carel controllers and VKool precision air conditioners.
- Optimized firmware for performance and reliability.

V-Calselector Development
- Led the development of V-Calselector software.
- Created a user-friendly interface for quick information retrieval.
- Integrated with the company's database for accurate and up-to-date information.

Website, Data, and Security Infrastructure
- Designed and managed the company's website, data, and security infrastructure.
- Migrated the website to a new Rust-based platform.

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

Automatic Fire Alarm Project
- Developed the firmware and software for a new automatic fire alarm system.
- Installed and tested the system at a large commercial building, mega mall and factory.

BMS Project
- Developed the software for a new building management system.
- Implemented the system at a new residential development.

Internal Software Tool
- Developed a new software tool to automate the company's procurement process.

Software Engineer
[Personal Portfolio]
[Bac Ninh, Vietnam]
[2018-]

Investment Portfolio Allocation and Cryptocurrency Trading Bot: Automatically allocate investment portfolios and trade cryptocurrencies on Binance use Google Cloud Platform VSP.

Polkalance: Developed a decentralized job marketplace built on Substrate and ink!. The platform allows users to post and find jobs securely and transparently.

Sofle Keyboard: Built a custom mechanical keyboard using the Sofle keyboard kit.

And more ...

Education

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

Skills

TECHNICAL SKILLS

OS: Window, **Linux**.
System programming languages: **Rust**, **Python**, C++, C#.
Automation PLC programming languages: Structured Text, FBD.
AI Search Tools: **Google Bard AI**, Phind.
AI Developer Tools: CodiumAI.
Databases: SQLite.
Front-end frameworks: Tailwind CSS.
Cloud platforms: GCP, Fly.io, Synology.
Technology Tools: **Docker**, **Github**
IDE: Visual Studio Code, **Helix**.
Notebook Tools: **Quarto**, Jupyter Notebook, Typst, Notion, Rmarkdown, Mermaid Chart.

SOFT SKILLS

Communication: Ensures everyone is heard and on the same page, keeping conversations productive and engaging.
Teamwork: Values strong relationships and collaborative spirit.
Self-learning: Proactively seeks out new knowledge and skills to adapt to evolving environments and stay relevant.
Technical Writing: Translates complex technical information into clear, concise documents.

Interest

Team player game
Walking
Reading