Nguyen Huu Kien

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Profile

Born in 1997, I am a passionate engineer with experience in embedded systems, blockchain technology, and industrial 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 on the 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

Proficient: Rust, Python
Experienced: C++, Go, 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
Documentation Tools: Quarto, Markdown, Mermaid Chart
Design & Simulation Tools: FreeCAD, KiCad, OpenFOAM

SOFT SKILLS

Good communication and teamwork skills.
Motivated and self-directed learner.
Adaptable and willing to take on new challenges.
Problem-solving and analytical skills.
English proficient in reading and listening, basic Chinese skills.

Experience

Blockchain Developer (Freelance) [Bacninh, Vietnam] [02/2023-Present]

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

Application Software Manager [ITC Technology JSC] [Bacninh, Vietnam] [05/2023-Present]

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] [08/2018-05/2023]

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] [08/2015-08/2020]

Interests

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