Nguyen Huu Kien | 阮有坚

Lung Giang Ward · Lim Town · Tien Du District · Bac Ninh Province · Vietnam | 越南·北宁省·仙游县·仙游县·林镇·陇江村
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Profile | 个人简介

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.

一位热衷于嵌入式系统、区块链技术和自动化的工程师。渴望为创新项目做出贡献，并利用区块链技术解决现实世界的挑战。

Skills | 技能

EMBEDDED | 嵌入式

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.

在设计、开发和调试微控制器和微处理器固件方面有丰富经验。
熟悉 I2C、SPI、UART、Modbus、BACnet 和以太网等通信协议。
了解电源管理、信号处理和传感器接口。

BLOCKCHAIN | 区块链

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).

参与了知名区块链平台 Polkadot 的项目。
对智能合约、共识机制和加密技术有基本了解。
能够编写和部署去中心化应用（dApps）。

AUTOMATION | 自动化

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.

参与开发和实施各种应用的自动化解决方案。
有 PLC 编程和工业自动化系统经验。
能够集成自动化技术以提高效率和准确性。

PROGRAMMING LANGUAGES | 编程语言

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

精通: Rust, Python
熟练: C++, C#
了解: PLC 语言（结构化文本，功能块图）

TECHNICAL SKILLS | 技术技能

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

操作系统: *Linux*, Windows
云平台: GCP, Fly.io, Synology
数据库: SQLite, PostgreSQL
DevOps 工具: Docker, GitHub, Cargo, Pip
文档工具: Quarto, Markdown, Mermaid Chart
设计和仿真工具: FreeCAD, KiCad, OpenFOAM

SOFT SKILLS | 软技能

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.

优秀的沟通和团队合作能力。
高度自我激励和自主学习能力。
适应性强，渴望接受新挑战。
问题解决和分析能力。
英语阅读和听力熟练，中文基础。

Experience | 工作经验

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

区块链开发者 (自由职业) [越南北宁] [02/2023 年至今]

为各种 DeFi 项目开发和部署智能合约。
在 Polygon 网络上构建去中心化市场。

应用软件经理 [ITC 科技股份公司] [越南北宁] [05/2023 年至今]

成功将公司网站迁移到新的基于 Rust 的平台。
为控制器和空调开发固件，提高性能和可靠性。
领导开发用户友好的内部流程软件。

自动化工程师 [ITC 科技股份公司] [越南河内] [08/2018-05/2023]

为新的火警和楼宇管理系统开发固件和软件。
实施自动化解决方案以提高效率和准确性。

Education | 教育背景

[B.A. Electronics Engineer] [*The School of Electronics and Telecom, Hanoi University of Science and Technology*] [Hanoi, Vietnam] [08/2015-08/2020]

[电子工程学士] [河内科技大学电子与通信学院] [越南河内] [08/2015-08/2020]

Interests | 兴趣爱好

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

参与团队电脑游戏
通过旅行、步行和徒步探索新地方
设计和制作 DIY 小工具