

KIET NGUYEN

DevOps / Toolchain Intern candidate | Linux | CI/CD & CT | engineering systems

Ho Chi Minh City, Vietnam | 0942751871 | kiet.nguyen.dev@proton.me

github.com/xknbot

kietnguyen-azure.vercel.app

Seeking: DevOps / automotive toolchain intern (Linux, CI/CD, CT) | Longer-term: Embedded Engineer (SW/HW) | Embedded Test / Validation path

SUMMARY

Self-directed DevOps / toolchain intern candidate in Ho Chi Minh City. I focus on Linux and shell hygiene, CI/CD and continuous-testing vocabulary, and secret/toolchain hygiene with public notes you can read. Supporting craft: embedded C, bare-metal GPIO/EXTI, ISR ring-buffer ownership notes, multi-target Make builds, and size/map hygiene - framed as systems under test, not title cosplay. Portfolio states Complete / In progress / Study honestly. Seeking supervised practice on real engineering toolchain infrastructure; longer-term Embedded Engineer and Embedded Test / Validation path.

SKILLS

Linux/shell | CI/CT literacy | Git | Python (host/scripting) | secret/toolchain hygiene | C (C99) | register-level / bare-metal literacy | Make | size/map notes | test design (requirements-shaped) | static-analysis awareness | English (technical)

SELECTED PROJECTS

- Multi-target Makefile (debug/release) with size hooks; published linker map / size budget notes for non-trivial builds (reproducible local factory).
- GPIO + EXTI bare-metal (CMSIS/register map): documented pin/IRQ setup without HAL-only product claims; register notes on portfolio.
- ISR producer ring buffer in C: overflow policy stated; ISR vs consumer ownership documented for review (testable failure modes).

Tech: Linux | Git | Make | C99 | CMSIS | arm-none-eabi

TECHNICAL NOTES

CI vs CD vs CT | pipeline red as reliability incident | SSH/secrets hygiene | test cases in under five minutes | Python as host language for C products

kietnguyen-azure.vercel.app/blog

EDUCATION

Advanced Diploma in Multimedia - ARENA | HCMC-1 | FPT

Ho Chi Minh City | 2020-2023

Self-directed technical study - 2023-Present

DevOps/toolchain literacy (Linux, CI/CD/CT, secret hygiene) + embedded C; public portfolio notes on CI/CT, test design, and Linux hygiene.

Non-claims: No AUTOSAR production ownership, ASIL sign-off, certified HIL operation, or OEM delivery ownership. Inspect Complete / In progress / Study status on the portfolio.