Curriculum Vitae

Son Luong Nguyen
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SourceForge (production VPN/tunneling apps, global users):
https://sourceforge.net/projects/vpn-4g-ssl-tls-sni-vpngate
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Professional Profile

Independent systems-focused software engineer with long-term experience in networking, low-level infrastructure, and security-oriented systems.

I design, build, and operate networked systems end-to-end, spanning operating systems, networking stacks, VPN/proxy technologies, and backend control planes. My background combines formal training in electronics and telecommunications with decades of hands-on work across Linux/Unix systems, mobile platforms, and large-scale networked environments.

I have spent significant periods working independently, maintaining technical depth through continuous self-directed development, experimentation, and production deployments rather than traditional corporate roles.

Experience Summary

• 25+ years of professional experience in systems, networking, and infrastructure engineering
• Deep hands-on background across ISP networks, enterprise systems, and end-user platforms
• Long-term independent consultant and developer, owning full system lifecycles
• Strong ability to operate under real-world constraints (ISP filtering, mobile OS limits, unreliable networks)

Core Expertise

Systems & Networking

• VPN and tunneling systems (OpenVPN, WireGuard, HTTP/SOCKS, domain-fronting)
• Packet-level protocol behavior, routing, NAT, ISP constraints

- Linux/Unix internals, process behavior, threading, IPC
- Mobile networking (Android/iOS VPN frameworks, background execution, low-level networking constraints)

Security & Cryptography

- Practical cryptographic engineering
- Implemented core cryptographic algorithms from scratch for academic validation
- Production use of established cryptographic libraries with clear understanding of guarantees and failure modes
- Certificate, key, and signature flows in real-world systems

Software Engineering

- End-to-end system ownership: design → implementation → deployment → operation
- Modifying and extending large open-source codebases (VPN/tunneling software)
- Deep debugging of complex, non-deterministic system behavior
- Strong emphasis on reliability and operational correctness

Technologies

**Languages: C, C++, Go, Java, Swift / Objective-C (systems-level iOS/macOS), C#, Assembly (x86), scripting as needed

Tooling:** GNU toolchain, Android Studio, Visual Studio, Eclipse, version control systems

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Education

- B.Eng. Electronic Engineering & Telecommunications — Hanoi University of Technology
- Business Administration — Hanoi University of Technology
- M.Eng. Technical Systems
- Microsoft Certified Professional (Systems / Database / Solution Development)

Early Professional Background

Early career roles included system administration, presales engineering, and solution architecture within enterprise IT vendors and telecom environments. Responsibilities ranged from enterprise Windows and networking deployments to government and public-sector infrastructure projects, providing a strong foundation in large-scale systems, operations, and stakeholder-facing technical work.

Work Style & Availability

• Fully remote, self-directed, minimal supervision
• Comfortable owning ambiguous, infrastructure-heavy problems
• Particularly effective in roles involving: - networking reliability
- VPN/tunneling systems
- security-sensitive infrastructure
- open-source systems modification

Selected Work

Author and maintainer of multiple networking and VPN-related open-source projects, with real-world users and international download activity.

Ongoing development and operation of independent networking applications under real ISP and platform constraints.

My professional activities: https://puzzle-cam.sourceforge.io