

Omprakash Nayak

Software Engineer | Aryaka Networks | Founder, Pktana
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PROFESSIONAL SUMMARY

Results-driven Software Engineer with 2+ years of experience specializing in C/C++ development, SD-WAN, and networking solutions. Expertise in IPsec, DHCP, TCP/IP, multi-threaded applications, and virtualization. Founder of Pktana, a high-performance Linux packet analyzer.

WORK EXPERIENCE

Aryaka Networks India Pvt. Ltd. - Software Engineer

Bangalore, India | July 2023 - Present

- Geolocation: Direction-aware IP geolocation with MaxMind GeoIP for threat detection, DLP, and geo-filtering.

- Logical

STARTUP

Pktana - Founder | pktana.online

High-performance Linux packet analyzer in Rust with L2-L7 DPI, DLP, IDPS, JA3, GeoIP, TUI, and web UI.

TECHNICAL SKILLS

Languages: C++, C, Python, Rust

Networking: DHCP, TCP/IP, IPsec, VPN, VLAN, DNS, Routing, Switching, Packet Forwarding, Netlink, Juniper & Cisco

Tools: GDB, Git, SVN, Bitbucket, Jenkins, SonarQube, Makefile, Wireshark, VS Code

OS / Virtualization: Linux (RHEL 7/9, CentOS), KVM, QEMU

EDUCATION

M.Tech in Information Technology - NIT Raipur (2023) | CGPA 9.15/10

B.Tech in Information Technology - BIT Durg (2021) | CGPA 8.84/10

PROJECTS & PUBLICATIONS

- B-WBCIS (M.Tech) - Blockchain-based Weather Crop Insurance with auto payouts

- BET-I&I