Brayan Mejía Salazar

Software Developer | Cybersecurity

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Professional Summary

Software Engineering student (6th trimester, UAPA) with 5 years of experience at Telenord, where I moved from customer service into quality control and internal auditing. I program in C++, Qt and Shell Scripting and have worked with Linux daily for more than 9 years. I am training in cybersecurity through programs from the Centro Nacional de Ciberseguridad, PUCMM and ITLA. I am looking to join a development or security team where I can contribute technical rigor, attention to detail and fast learning.

Technical Skills

- **Languages:** C, C++, Shell Scripting
- **Frameworks and libraries:** Qt (Multimedia, QtDBus), GTK, Gtkmm, Boost, D-Bus
- **Build and tools:** CMake, Meson, Git
- **Systems:** Linux (daily use, 9+ years; Gentoo, Arch, Debian, Ubuntu, Fedora), system administration, systemd, networking and firewalls with nftables
- **Security:** cybersecurity fundamentals (training in progress), VPN and WireGuard, encrypted DNS (dnsmasq, dnscrypt-proxy)
- **Methodologies:** root cause analysis, process auditing, technical documentation

Technical Projects

VPN Kill Switch (nftables + WireGuard)

- Designed a firewall that blocks all traffic if the VPN drops, preventing IP and DNS leaks.
- Integrated with systemd and NetworkManager on Linux, with an encrypted DNS chain.

BtScreenLocker (C++ and QtDBus)

- Daemon that automatically locks the session when it detects, via Bluetooth, that your phone has moved away from the computer.
- Uses QtDBus to communicate with the system and trigger the lock.

QBitMPlayer (C++ and Qt Multimedia)

- Music player with optional video support, enabled at compile time.

SPM – System Power Manager (C and GTK)

- Graphical interface to hibernate, restart, shut down or suspend the computer, inspired by the one in the MATE desktop.

PowerProfilesDaemonGUI (C++, Gtkmm and D-Bus)

- Graphical interface for power-profiles-daemon that sets the active power profile through D-Bus calls.

Work Experience

Telenord · 5 years (current)

Quality Generalist / Internal Auditor · 3 years

- Audited internal processes to verify compliance with quality standards.
- Performed root cause analysis to identify and fix recurring failures.
- Prepared findings reports and followed up on corrective actions.

Customer Service · 2 years

- Handled and resolved customer inquiries and cases with clear communication.
- Recorded incidents accurately and worked in coordination with other departments.

Brito Suárez Technology · Technician · 4 months

- Technical support and equipment maintenance.

Copicentro Profesional · Data Entry Clerk · 6 months

Digitación Express · Data Entry Clerk · 1 year

- Document data entry with high accuracy and on-time delivery.

Education and Training

- Software Engineering, UAPA: in progress, 6th trimester
- Cybersecurity Program (5 courses), Centro Nacional de Ciberseguridad, PUCMM, ITLA and others: in progress
- Junior Full Stack Developer, Alterna Academy
- Root Cause Analysis, INFOTEP
- Effective Negotiation, INFOTEP
- English Immersion, MESCyT (2022)

Languages

- Spanish: native
- English: upper-intermediate to advanced

Core Competencies

Attention to detail · Organization and time management · Written and verbal communication · Teamwork · Fast learning

References

Available upon request.