Software Engineer

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Software Engineer with 8+ years of experience in secure network solutions, performance optimization, and enterprise security.

Proven track record in designing and optimizing secure network platforms, leading cross-functional teams, and driving innovation in SD-WAN and cybersecurity domains. Strong advocate for collaborative development practices and continuous improvement.

Experience Open Systems - Zurich, Switzerland Jun 2025 Staff Engineer Leading the design and optimization of secure network solutions, platform architecture, and technology stack modernization. Collaborating with cross-functional teams to drive innovation and ensure seamless integration of all Open Systems services. Contributed to the design of new security policy framework, drawing the path for simpler architecture Raised awareness of current suboptimal developer experience, allowing for targeted improvements and increased productivity. Mar 2024 **Senior Security Engineer** Extended and modernized Open Systems SASE (Secure Access Service Edge) platform, focusing on scalability and security enhancements Coordinated large and sensitive network redesign deployment to largest customer. Led the implementation of a new tunneling feature to win major client and enhance competitive Automated patch testing procedures, reducing engineers chore time by 80%. Sep 2019 **Security Engineer** Developed and maintained SD-WAN and Enterprise Network Security solutions using Go, Perl, and bash on Linux. Balanced 80% development with 20% operations responsibilities in a dynamic engineering Designed the migration strategy of legacy routing suite, allowing gradual transition to new technologies. Standardised and codified the manual test procedures, improving testing efficiency and doubling up Intense refactoring of legacy codebase, resulting in a 25% reduction in technical debt. Aug 2019 **UBS - Zurich. Switzerland** Jul 2017 **Software Developer & Red Team Specialist** Developed Java applications for distributed foreign exchange systems while participating in UBS Graduate Contributed to adoption of Software Best Practices in the team, reducing onboarding time for new developers by 50%. Completed 6-month rotation in Red Team Cyber Assurance, conducting full-spectrum security assessments, from reconnaissance to exfiltration, and delivering reports to senior management. Jan 2017 **GE Healthcare - Paris, France** Jul 2016 **Performance Optimization Engineer (Intern)** Master Thesis Project in medical imaging optimization. Achieved 78% runtime performance improvement in C++ image processing algorithms for Contrast Enhanced Spectral Mammography through parallelization and algorithm optimization, by building a Poor Man's Profiler using perf and Flame Graphs. Education Apr 2017 Politecnico di Torino & Eurecom 2015 Master's in Computer Engineering Double Degree Program - Grade: 108/110 Politecnico di Torino, Italy & Eurecom, France Specialization in Communications and Computer Security through Erasmus+ Double Degree program with Télécom ParisTech partnership. 2011 **Bachelor's in Computer Engineering** Grade: 108/110 Politecnico di Torino, Italy

Core Competencies Architecture Secure Application Design SASE/SD-WAN Platforms API Design Development Go Perl Python C/C++ Linux Networkina Performance Optimization Security **Red Team Operations** Cybersecurity Assessment Network Security Leadership Cross-functional Collaboration Technical Innovation Team Mentoring Languages Native Italian **Professional** English Conversational German (B1 Certified) French Spanish