
Skills

Soft skills

- Leadership
- Creativity
- Autodidact
- Empathy
- Teamwork

Technical skills

- Requirements engineering
- Software architecture
- Threat Modelling
- Risk Management
- Application modeling with UML
- Deployment and configuration
- Quality assurance in software
- Red Hat and Debian Packaging
- Mobile App development
- Project Management
- SCRUM
- Backup administration
- Reverse engineering
- Management of Web, SFTP, SMB, SSH, proxy, NTP, and VPN servers
- Server virtualization with VMware ESXi and KVM
- Game development & Design

Programming languages: C, C++, C#, Java, JavaScript, Python, Ruby & Rust.

Markup languages: HTML, CSS and XML.

Scripting: Bash and SQL.

Operating Systems: Windows, macOS, GNU/Linux, iOS, Android, FreeBSD, OpenBSD and Solaris.

Other Technologies: Advanced installer, NSIS, SVN, Docker, Unity and Git.

Languages:

Spanish 🇪🇸 - Native

English 🇬🇧 - Advanced

Experience

Honeywell, Inc. / Advanced Cyber Security Architect

APRIL 2024 - PRESENT, MEXICO CITY

Proven experience in security focused design and architecture to protect critical infrastructures. Main architect of an industrial control system, leading the overall vision and ensuring security consistency across releases involving multiple components.

Responsible for two business lines: connected utilities for smart metering products (SETS) and industrial control systems (HPS), guaranteeing cross domain product security. Applying threat modeling and risk assessment, enabling proactive identification of vulnerabilities and the design of resilient architectures. Ensured compliance with GDPR and EU-CRA regulatory frameworks.

Extensive portfolio including SCADA systems, PLC controllers, Distributed Control Systems (DCS), mobile applications, web services, and cloud platforms, demonstrating versatility across Operational Technology (OT) and Information Technology (IT) environments. Experienced in collaborating with engineering teams distributed across Mexico, United States, India, and China. Ability to combine technical rigor with strategic vision, delivering secure, scalable, and future ready solutions.

UNIGIS S.A. / Software Developer

MAY 2019 - APRIL 2024, ATIZAPAN, ST. MEX.

Part of the Backend development team, implementing heuristics and algorithms applied in routing problems and TSP using C++ as primary language and developing integrations for external customers solutions such as webhooks, custom reports in ASP.NET, intermediary services for data extraction for CSV and EDIFACT files and handling GPS events and commands with C#. I was in charge of the development of dashboards with SQL, optimizing queries to obtain the desired results in the shortest time possible. Additionally the development and maintenance of UNIGIS applications, for Routing, Tracking, Fleet and GPS Tracker modules, doing Frontend and Backend with AngularJS, C# and Java for Android and Desktop.

Fundación Tláloc / Voluntary - Social Service

JAN 2018 - MAY 2018, TOLUCA, ST. MEX.

Project leader and requirements engineer for the development of a mobile application compatible with Android and iOS, this application was developed for a closer interaction between the foundation and the users. I also managed to set up a GNU/Linux based file server in order to backup and share files in the foundation's LAN network.

FROG S.A. DE C.V. / Programmer and Tech support

JUN 2013 - AUG 2014, MEXICO CITY

Development and deployment of the installation wizard for Frog aFrame 5.6 and Frog Skywire in Dos Pinos (Costa Rica) and the development of a serial key generator based on C#, MySQL, Windows Server 2008 R2 and GNU/Linux. Also I provided customer support as a Technical Assistant in the User Service Center (USC).

Education

Universidad Tecmilenio / B.S. Software engineering

AUG 2016 - AUG 2020, CAMPUS TOLUCA - GPA 93/100

President and Co-founder of the student group (GeniusWare) where recreational activities are carried out for the Software Engineering career, such as conferences and courses.

Universidad UNIR / M.S. Cyber Security

FEB 2026 - PRESENT, ONLINE CAMPUS

Currently pursuing a Master's degree, focusing on:

- Study of laws related to cybersecurity, regulations, and frameworks
- Ethical system access techniques
- Secure network modeling
- Digital forensics and evidence management
- ISO 27001

Platzi / Courses

Currently studying DevOps & Cloud Computing.

Introduction to DevOps - [Complete](#)

Backend with Rust: Databases, Controllers and Templates - [Complete](#)

Applied Software Architecture Program - [Complete](#)

Certifications

Certifications List

- Software Security Practitioner - Software Architect
- FIRST CVSS v4.0 Certificate
- Buzan certification in Mind Mapping
- Management skills by CDG+
- Scrum Fundamentals Certified
- Audio encoding: Beyond MP3
- Six Sigma Yellow Belt