# Max Jacinto

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## Education

**Pontifical Catholic University of Peru (PUCP)** San Miguel, Lima

*B.S Informatics Engineering - Specializations in Cybersecurity and IT* *Mar 2020 — Dec 2025*

- Exchange student at the University of Lima in the second half of 2023 to enroll in their Cybersecurity elective
- Approved to enroll in two Telecommunication Master's courses offered at PUCP: Criptography & Ethical Hacking and Digital Forensics, achieving the first place of my class in both courses (Final scores in both: 19/20)
- Experience in courses related to Cybersecurity and IT: Operating Systems, Computer Networks, Information Security, Ethical Hacking & Cryptography (PUCP Master's), Computer Forensics (PUCP Master's), IT Governance, IT Continuity, IT & Systems Auditing and Risk Management.
- Experience with NIST CSF 2.0, COBIT 5 & 2019, OCEG Red Book and ISO 27001/27002/31000/31000/37001/37301

## Professional Involvement

**Member, Coding Guidelines Subcommittee** Oct 2025 — Present

Rust Safety-Critical Consortium *Remote*

- Contribute to establishing industry coding standards for Rust in safety-critical systems (aerospace, automotive, medical devices)
- Participate in technical review and voting on guideline proposals affecting embedded systems and high-reliability software

## Work Experience

**IT Support Engineer (Contract For Service)** Aug 2025 — Dec 2025

National Program Warmi Ñan *Cercado de Lima, Lima*

- Sole developer of in-house warehouse management system for nationwide IT asset tracking across centers addressing cases of domestic violence 24/7, architected for multi-year reliability using Rust backend (Pavex), PostgreSQL, and Vue frontend
- Designed and implemented device lifecycle management workflows for electronic equipment procurement, configuration, and deployment logistics
- Resolved user-reported incidents in internal software systems

**Support Engineer I - Systems & IT Security Analysis** Dec 2024 — Jun 2025

TORSA Mining Services Peru *Santiago de Surco, Lima*

- Developed Python automation scripts for embedded system configuration and deployment, reducing manual intervention in mining vehicle fleet management
- Diagnosed and resolved critical performance issue in Java middleware for IoT device communication - identified improper thread management causing 100% CPU utilization and service restarts
- Performed log analysis and incident response for industrial IoT infrastructure spanning mining vehicles and pharmaceutical warehouse systems
- Established ISO 27001 security controls and compliance framework for embedded systems and servers

**Part-Time Informatics Engineering Career Instructor** Aug 2024 — Present

Faculty of General Science Studies and Faculty of Science & Engineering - PUCP *San Miguel, Lima*

- Instructor in the following courses taught in the Informatics Engineering career: Programming Fundamentals, Programming Techniques, Operative Systems, Information Technologies for Businesses

## Projects

**Creator**, GRC Software for SMEs Oct 2024 — Present

- GRC compliance platform built with Rust (Pavex), PostgreSQL, S3 and Astro + Vue
- Implements NIST CSF 2.0 and ISO 27001 control frameworks, among others, with automated risk assessment
- Architected for scalability from SME to enterprise deployments
- Bachelor's thesis project

**Backend Leader**, MatrisoftGo - University Enrollment Management System Aug 2024 — Dec 2024

- Led backend architecture for enrollment platform tested with 400 concurrent students across multiple academic levels
- Optimized API performance using goroutines to handle load constraints on restricted AWS instances (t2.micro equivalent)
- Architected PostgreSQL schema with JSON columns for flexible data structures, enabling efficient bulk insertion operations that avoided schema migrations mid-development
- Built RESTful API in Go (`sqlx`, `echo`) with focus on query optimization and concurrent request handling
- Showcased at XpoSTEM 24-2 project fair

## Certifications

- **Languages**: Cambridge Certificate in Advanced English (C2 Level) - Total Score: 206/210
- **Cybersecurity & Software Development**: ISC2 Certified in Cybersecurity, CISCO Introduction to Cybersecurity, IBM Docker Essentials, eCPPT candidate, eCTHP candidate

## Skills

- **Primary Programming Languages**: Rust, Go, C/C++, Python
- **Additional Programming Languages**: Bash, PowerShell, Java, C#, TypeScript/JavaScript, Lua
- **Architecture, Deployment & Infrastructure**: MySQL, Postgres, Oracle DB, Git, AWS, Docker, UNIX/Linux, NGINX, Apache, Cloudflare, Nix, GitHub Actions
- **Cybersecurity Tools**: Kali Linux, Wireshark, Metasploit, Burp Suite, OWASP, Shodan
- **Languages**: English (native, C2 certified), Spanish (native), Portuguese (basic, non-certified), French (basic, non-certified), Italian (basic, non-certified)