

Carlos Casanova

Security Engineer | CTO

Barcelona, Spain · info@carloscasanova.dev · carloscasanova.dev · github.com/notolac · linkedin.com/in/carlos-casanova-4703b8137

PROFESSIONAL SUMMARY

Systems and Security Engineer specializing in IT infrastructure optimization, identity and access management (IAM), and enterprise security. Their work focuses on digital transformation, high-availability cloud environments (Azure, GCP, AWS), and SSO integrations across modern workplace platforms. With a background in Telecommunications Engineering and industry certifications spanning cloud, cybersecurity, and virtualization, they actively drive operational efficiency through workflow automation, scripting (Python, Bash), and the practical integration of AI tools.

PROFESSIONAL EXPERIENCE

Glovo • Barcelona, Spain

Security Engineer II July 2025 – Present

- Hardening corporate SaaS tools (Google Workspace, Jira, Slack) implementing DLP rules and ensuring CISA compliance.
- First line of defense in phishing analysis, conducting Sandbox investigations and incident remediation using Any.Run, SentinelOne, and CultureAI.
- Securing the corporate AI ecosystem through a LiteLLM Proxy, establishing Guardrails and security policies to ensure data protection and privacy.
- Managing and optimizing critical services to ensure high availability of identity platforms like OneLogin.
- Automating operational processes using Python scripts.

Systems Engineer I September 2023 – July 2025

IT Service Desk I — External via A16BIT August 2022 – October 2023

- Technical support and problem resolution related to cloud services and on-premises systems. Service delivery as an external consultant.

Genteplus.org • Remote / Volunteering

Chief Technology Officer (CTO) Late 2024 – Present

- Leading technology initiatives for a platform dedicated to the Cultural, Economic, and Social integration of migrants.
- Driving the adoption of emerging technologies such as LLMs and Artificial Intelligence across staff, collaborators, and affiliates.

Apex Crypto Solutions • Barcelona, Spain

Founder February 2019 – January 2025

- Consulting, education, and intermediation services for crypto-asset acquisition.
- Deep expertise in crypto-assets, BTC, Blockchain technology, mining, remittances, and international transfers.

L'Idem Barcelona • Barcelona, Spain

IT Services Manager (Freelance) October 2020 – August 2023

- Designed and implemented IT solutions to optimize infrastructure performance and security.
- Led data migration and system modernization projects.

A16BIT • Barcelona, Spain

IT Service Desk I August 2022 – September 2023

- Primary contractor managing external talent assignment for Glovo, ensuring operational continuity and incident resolution in enterprise IT environments.

TECHNICAL SKILLS & TOOLS

Cloud & Infrastructure: Azure, AWS, Google Cloud Platform (GCP), VMware vSphere, Proxmox, Hostinger

Containers & DevOps: Docker, Kubernetes, Ansible, Terraform

Operating Systems: Linux (Ubuntu, Kali, ParrotOS), Windows, macOS

Programming & Scripting: Python, Bash, PowerShell, Google Apps Scripts

Security & Identity: SSO, SAML, OpenID, SCIM, ZeroTrust, WireGuard, OpenVPN, Any.Run, SentinelOne, CultureAI, Google SecOps, Grafana

Systems Administration: Jira, Confluence, OneLogin, Google Workspace, Okta, Slack

Databases & Web: PostgreSQL, Nginx, Django, WordPress, TailwindCSS, Odoo, Astro, RAG, Vector DB, Redis, Ghost

Automation: n8n, Make, Jira Automations, AWS Lambda, Google Cloud Functions, Azure Functions, Github Actions

AI Tools: OpenAI, Claude, Gemini, RoVo, NotebookLM, Perplexity, Ollama, VertexAI, GoogleAI Studio, LiteLLM

EDUCATION

Master's in Cybersecurity • IMMUNE Technology Institute (Graduated, Mar 2026)

University Specialization in Multi-Market Investment and Diversification • Universidad de las Hespérides
(Mar 2025 - Present)

Cloud Computing with Azure • Platzi (May 2021 - Dec 2022)

LAN/WAN Network Administration & DevNet Certifications • Cisco Networking Academy (2015 - 2020)

Telecommunications Engineering • Universidad de Carabobo (2013 - 2019)

LICENSES & CERTIFICATIONS

Cybersecurity

- [Master's in Cybersecurity](#) — IMMUNE Technology Institute (Mar 2026) · [View credential](#)
- [Risk Management](#) — IMMUNE Technology Institute (Mar 2026) · [View credential](#)
- [Defensive Security](#) — IMMUNE Technology Institute (Dec 2025) · [View credential](#)
- [Offensive Security](#) — IMMUNE Technology Institute (Jul 2025) · [View credential](#)
- [Cybersecurity Fundamentals](#) — IMMUNE Technology Institute (Jul 2025) · [View credential](#)

Cloud & Infrastructure

- DevOps Tools Engineer — Linux Professional Institute (LPI) (Jun 2023)
- LPIC-1 — Linux Professional Institute (LPI) (Apr 2023)
- AZ-104 Azure Administrator Associate — Microsoft (Jun 2022)
- VMware vSphere: Install, Configure and Manage v7 — VMware (May 2022)
- DP-900 Azure Data Fundamentals — Microsoft (Nov 2021)
- MS-900: Microsoft 365 Fundamentals — Microsoft (Feb 2021)
- MS-700: Managing Microsoft Teams — Microsoft (Feb 2021)

Networking (Cisco)

- [CCNA: Switching, Routing, and Wireless Essentials](#) — Cisco (Jun 2021) · [View credential](#)
- [CCNA: Enterprise Networking, Security, and Automation](#) — Cisco (Jun 2021) · [View credential](#)
- [CCNA: Introduction to Networks](#) — Cisco (May 2021) · [View credential](#)

Systems & Management

- MD-101: Managing Modern Desktops — Microsoft (Oct 2021)
- MD-100: Windows 10 — Microsoft (Oct 2021)
- Strategic Management & Leadership — IESA (Feb 2017)

TALKS & MASTERCLASSES

Talk: "Scaling AI Safely and in Compliance" • AI Summit Barcelona (October 2025)

Keynote speaker sharing enterprise strategies for integrating LLMs and AI models into organizations without chaos. Presenting solutions for centralized AI tool management, data leak mitigation, cost control, and regulatory compliance.

Masterclass: "From 0 to 100 with GenAI: Responsible Adoption" • Glovo HR Team (November 2025)

Exclusive masterclass for Glovo's Human Resources team, training staff in the safe, ethical, and productive adoption of Generative AI tools within the corporate environment.

Workshop: "AI for Everyday Life" • Public event (March 2025)

Lead instructor in a hands-on workshop focused on democratizing AI for the general public. Demonstrating how to use virtual assistants, translators, and generative productivity tools to optimize time and simplify everyday activities.

FEATURED PROJECTS

Self-Hosting & Open Source (OSS): Passionate about OSS projects and self-hosting. Creator of a reference repository focused on teaching multi-service deployments using Docker and Portainer, making it accessible for users without advanced CLI experience. github.com/notolac/docker-compose-portainer

IT Automation: Built a PowerShell tool to migrate 3,000 Windows devices from MobileIron to Microsoft Intune. The script automated the disconnection of the previous MDM, handled Azure AD profile enrollment, and guided users step by step through the entire process, drastically reducing migration time and support team workload.

Enterprise System Migrations: System migrations including Google Workspace/Atlassian during organizational mergers involving 10,000+ users, 3,200 groups, and 700 projects.

VPN & ZeroTrust Networks: Implementation of private networks using WireGuard and OpenVPN with ZeroTrust technology to connect critical on-prem resources.

Backup & Recovery: Design of robust backup systems using TrueNAS, Synology, and S3.

Vendor Negotiation: Contract negotiation with Atlassian for tool renewal and managing needs regarding new AI-integrated products.

LANGUAGES

Spanish: Native · **English:** Professional