

LYDIA VÍLCHEZ LÓPEZ

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Cloud security engineer with a dual background in Computer Engineering and Business Administration. One year building production features in Python for Prowler, an open-source cloud security platform, across AWS, GCP, Azure and Google Workspace, from technical design to public release. Core maintainer experienced in code review, IAM policy analysis and compliance frameworks, working in fully English-speaking, international teams.

EDUCATION

University of Granada*Sep 2020 - Sep 2026*

Dual Bachelor's Degree in Computer Engineering and Business Administration and Management

Università degli Studi di Salerno*Sep 2022 - Jun 2023*

Dual Bachelor's Degree in Computer Engineering and Business Administration (Erasmus Program)

PROFESSIONAL EXPERIENCE

Cloud Security Engineer – Prowler*Sep 2025 - Sep 2026*

Remote

- Developed and shipped features for Prowler, a production open-source cloud security platform, working across AWS, GCP, Azure and Google Workspace environments.
- Built end-to-end product capabilities, from architecture design and Python development to public documentation and release, used directly by enterprise customers.
- Turned compliance requirements (CIS Benchmarks, CISA) into automated cloud configuration and IAM security checks.
- Core maintainer of the open-source project: reviewed and merged community code contributions, ensuring quality and consistency across the codebase.
- Collaborated with product, engineering and external partners such as AWS, working remotely in English.

KEY PROJECTS

AWS Nitro Enclaves Security Research*2026*

Prowler

- Implemented Prowler's first CSPM check suite for AWS Nitro Enclaves (11 checks), covering secure configuration of confidential computing workloads used to protect AI/LLM data.
- Co-authored the accompanying technical blog post with an AWS engineer: [Your LLM runs in a Nitro Enclave. Who is checking the enclave?](#)

Google Workspace Security Module – Bachelor's Thesis*Sep 2026*

Granada, Spain

- Primary author of a security auditing module for Google Workspace, built from scratch: architecture design, service account authentication with delegated user, CLI and API integration, UI and public documentation.
- Delivered full coverage of the CIS Google Workspace Foundations Benchmark v1.3.0 across 11 services (Gmail, Directory, Calendar, Drive, Chat, Groups, Sites, and more), packaged as a standalone, independently distributable Python module.

TECHNICAL SKILLS

- **Cloud:** AWS, GCP, Azure, Google Workspace, and others (Cloudflare, Huawei Cloud, OpenStack, StackIt).
- **Languages & backend:** Python (primary), Bash, SQL, C, C++, Java (basics); Django, REST APIs, boto3, Azure SDK, Google APIs, pytest, Pydantic.
- **DevOps & Tools:** Git, Docker (local development), Terraform (remediation snippets), Poetry, uv, pre-commit, Bruno, Jira.
- **Security:** Cloud Security Posture Management (CSPM), compliance frameworks (CIS Benchmarks, CISA), IAM policy analysis, cloud configuration auditing.

CERTIFICATIONS

- Cambridge English: First (FCE) – B2 Level
- Alliance Française DELF – B2 Level (French)
- AWS Cloud Practitioner Essentials

LANGUAGES

- **Spanish:** Native.
- **English:** Advanced (B2 - C1).
- **French:** Intermediate (B2).
- **Italian:** Intermediate.