



Fiorella Alvira

SOFTWARE ENGINEER | BACKEND | CYBERSECURITY |
AUTOMATION

Software engineer and advanced Systems Engineering student with professional experience building and supporting enterprise software, databases, integrations and AI-first solutions. I combine backend/full-stack development with hands-on cybersecurity training in SIEM analysis, digital forensics, vulnerability analysis and incident investigation.

Montevideo, Uruguay | [+598 98 271 250](tel:+59898271250) | alvirafoirella@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Professional Experience

Full Stack Developer

LevelUp - enterprise systems for MAPFRE | Sep 2024 - Aug 2026

- Developed and maintained production enterprise applications using Oracle and PL/SQL, implementing business logic and data-intensive workflows.
- Built and maintained system integrations, web services and REST APIs; investigated incidents across development, testing and production using traces and data validation.
- Performed functional testing, change validation and technical troubleshooting, coordinating fixes and follow-up through Jira in Scrum/Kanban environments.
- Integrated LLMs and coding assistants into daily development for code generation, review and debugging, and supported onboarding/training of new team members.

Freelance Developer

Inflexo AI | 2025 - 2026

- Built AI-first solutions for business use cases, translating client needs into working software and automation flows.
- Implemented conversational agents and LLM-based workflows integrated with APIs, webhooks and n8n automations.
- Worked end-to-end from requirements and solution design through implementation, testing and deployment.

Education

Systems Engineering

Universidad ORT Uruguay | 2021 - Present

Advanced student - approximately 80% of the degree completed.

Intermediate degree: Ayudante de Ingeniero (Engineering Assistant), 2024

Core Skills

Languages

Java • Python • C# • C++ • JavaScript • TypeScript • SQL • PL/SQL

Frontend

React • Next.js • HTML/CSS • Tailwind CSS

Backend & APIs

Node.js • REST APIs • SOAP • XML • Webhooks • system integrations

Data

Oracle • PostgreSQL • Supabase • MongoDB • SQL Server

Security

SIEM • Elastic SIEM • Autopsy • Wireshark • OWASP • vulnerability analysis • log analysis • incident investigation • RBAC • JWT/OAuth2/OpenID Connect • Keycloak

Certifications

CompTIA Security+ (SY0-701)

In preparation - exam planned Sep 2026

Cambridge English B2 First (FCE)

Cambridge English - B2

Languages

Spanish - Native

English - B2, Cambridge certified

Selected Projects

Product, engineering and cybersecurity work selected from my portfolio.

Degree Planner

Interactive Curriculum Platform

Academic planning platform with dynamic prerequisite logic, degree-progress metrics, credits, semester scheduling, attendance tracking, missed-class follow-up and customizable degree templates.

React • Next.js • TypeScript • Tailwind CSS • localStorage | [GitHub](#)

Clinibase

Dental Management Platform

Role-based dental clinic system for patient registration, appointments, treatments, daily clinical workflow, medical history, clinical images and user/role administration.

React • Next.js • Supabase Auth/DB/Storage • Tailwind CSS | [GitHub](#)

Fio - Your Style Muse WORK IN PROGRESS

Virtual Wardrobe & Personal Style Platform

Visual wardrobe product for uploading and organizing clothing, building outfits, saving fashion inspiration and defining style preferences. AI-assisted styling is an active work in progress.

React • TypeScript • Supabase Auth/DB/Storage • CSS | [GitHub](#)

Cashy ACADEMIC PROJECT

Academic Cybersecurity Project

Security and incident-analysis project using digital forensics and SIEM evidence to reconstruct an incident, analyze access/encryption/control weaknesses and document risks and recommendations.

Autopsy • Elastic SIEM • security analysis • incident response

Technical Case Studies

Backend System

Backend Development & Data Systems

Backend/database work focused on business logic, PL/SQL, relational data, integrations, debugging and production-oriented application support.

Oracle • SQL • PL/SQL • REST APIs • Git

Automation System

Workflow Automation & Integrations

Event-driven workflows connecting messaging, webhooks and APIs to automate repetitive processes and move structured data between services.

n8n • Webhooks • REST APIs • Meta integrations

Technical Toolkit

- Programming**
Java · Python · C# · C++ · JavaScript · TypeScript · SQL · PL/SQL
- Web & Backend**
React · Next.js · Node.js · HTML/CSS · Tailwind CSS · REST APIs · SOAP · XML · webhooks
- Databases**
Oracle · PostgreSQL · Supabase · MongoDB · SQL Server · relational database design · stored procedures · querying
- Security**
Elastic SIEM · SIEM analysis · Autopsy · Wireshark · OWASP · vulnerability analysis · digital forensics · log/event analysis · incident response fundamentals · secure development

- Development Tools**
VS Code · Visual Studio · Cursor · Git · GitHub · GitHub Actions · Docker · Postman · Swagger/OpenAPI · Jira · Figma · Oracle SQL Developer · PowerShell · npm
- Cloud & Platforms**
AWS · Azure · Supabase · Vercel
- Automation & AI**
n8n · Meta integrations · LLMs · conversational agents · Claude · ChatGPT · OpenAI Codex · Cursor AI
- Methods & Delivery**
Scrum · Kanban · functional testing · troubleshooting · incident management · technical documentation · production support
- Data & BI**
Power BI · Excel (course-based training)

Additional Training

Power BI Intermedio: Análisis y modelado de datos	Santander Open Academy
Fundamentos de Power BI	Santander Open Academy
Excel	Santander Open Academy
Fundamentos de Ciberseguridad	IBM · Santander Open Academy
Seguridad digital para tu día a día	Santander Open Academy

Professional Focus

Software engineering roles where backend development, data, automation and cybersecurity intersect. Particularly interested in secure software, APIs and integrations, incident-oriented engineering, AI-assisted development and security operations.