

# Félix Daniel Coca Calvimontes

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Santa Cruz de la Sierra, Bolivia

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## Professional Summary

Software engineer with strong expertise in Python and growing proficiency in API design. Eight-plus years building scalable backend systems, enterprise integrations, and full-stack architectures. Leadership in international ERP implementations and self-hosted infrastructure. Focus on developer tooling, automation, and modular design.

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## Technical skills

Python, Odoo, ERP, FastAPI, Flask, Django, REST API, GraphQL, microservices, PostgreSQL, MySQL, Docker, Kubernetes, Linux, Nginx, Traefik, CI/CD, Git, TypeScript, Angular, Rust, Ruby on Rails, system integration, DevOps, Scrum

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## Professional experience

### Senior Software Engineer (Freelance)

**APPEX Latam** | Santa Cruz, Bolivia

**December 2025 - Present**

- Lead a team of eight developers; mentor on Python, Odoo, code review, and standardized delivery workflows.
- Architected hybrid on-premise deployments with VPS-based failover and high-availability patterns for 20+ concurrent client instances.
- Designed internal tooling for automated, verifiable backups and operational monitoring across multi-tenant Odoo environments.
- Shipped 60+ custom Odoo modules and third-party integrations with unit, integration, and end-to-end test coverage in the delivery pipeline.
- Established end-to-end test suites to validate custom module and integration flows before production rollout.
- Built Odx, an internal Rust-based accelerator for Odoo module development and delivery.

### Senior Odoo Developer and Software Engineer

**DATEC Latam** | Santa Cruz, Bolivia

**June 2024 - December 2025**

- Led DATEC's first international Odoo implementation (Costa Rica), adapting modules to regional requirements.
- Developed Python microservices for third-party integrations.
- Delivered REST API designs and performance improvements for enterprise clients.
- Drove DATEC's initiative to deliver software from Bolivia to international clients.
- Managed and mentored a four-person team; delivered the project in under two years.

## Software Engineer (contract)

**Yatoca** | Santa Cruz, Bolivia

**June 2025 - September 2025**

- Supported the launch of Yatoca, a service for renting sports courts.
- Designed the backend refactor and testing strategy (approximately 90% code coverage).
- Collaborated with a multidisciplinary team across Peru, Argentina, and Bolivia.

## Software Engineer (contract)

**Caisy Bolivia** | Santa Cruz, Bolivia

**May 2025 - June 2025**

- Deployed and designed a modern website for Caisy Bolivia, a food cooperative.
- Worked with a UI/UX designer to meet client expectations.
- Launched <https://caisybolivia.com> using Directus and Astro.

## Independent Software Engineer

**Software consultant** | Remote; Santa Cruz, Bolivia

**May 2021 - Present**

- Specialized in Odoo module development (Community and Enterprise).
- Delivered B2B integrations and full on-premise deployments.
- Provided Odoo consulting and live demonstrations for clients.

## Freelance systems administrator

**APPEX Bolivia** | Remote

**2023 - Present**

- Administered Linux servers, Docker containers, and internal service orchestration.
- Configured domains, Nginx, Traefik, SSL certificates, and CI/CD pipelines.
- Managed secure backups, monitoring, and performance tuning.

## Independent Odoo consultant

**APPEX Bolivia and Ribentek** | Various

- Customized and implemented Odoo modules for Community and Enterprise.
- Supported ERP migrations and integrations.
- Aligned technical solutions with business workflows and user experience goals.

## InterOps Software Engineer (remote)

**Assuresoft** | Texas, USA

**August 2022 - May 2023**

- Built Python tools for service bus monitoring and data pipeline visualization.
- Automated backend processes to support high availability targets.
- Delivered an analysis tool for medical data using ETL.

## Site Reliability Engineer

**Banco Fassil** | Santa Cruz, Bolivia

**December 2022 - May 2023**

- Maintained Docker Compose and Kubernetes configurations.
- Managed internal services and core infrastructure.

## Odoo Senior Developer and Technical Lead

**Banco Fassil** | Santa Cruz, Bolivia

**August 2021 - November 2022**

- Designed backend systems for financial and HR applications using Python and Odoo.
- Led development of the Human Resources Management System (HRMS) using Angular and Python.
- Integrated APIs and mentored junior developers in a regulated environment.

## Frontend Developer (Flutter)

**APPEX Bolivia** | Santa Cruz, Bolivia

**December 2020 - May 2021**

- Developed mobile features for the UorkCity platform using Flutter.

## Chief Technology Officer

**Studio Chromantis** | Santa Cruz, Bolivia

**October 2020 - May 2021**

- Led a CRM project for a local company using React and Spring Boot.
- Designed the database and backend architecture.

## Ruby on Rails Developer

**Qbytesoft** | Santa Cruz, Bolivia

**September 2019 - May 2020**

- Developed RESTful APIs for a travel-rental platform.
- Created a reusable Ruby gem for Bolivian tax processing: <https://rubygems.org/gems/caesar-tax>
- Designed PostgreSQL-based backend architectures.

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## Earlier experience

## Software Developer

**Open IT Soluciones Open Source** | Santa Cruz, Bolivia

**November 2018 - May 2019**

- Developed Odoo v12 modules for Bolivian accounting requirements.

## Software Developer

**BZGroup** | Santa Cruz, Bolivia

**June 2017 - August 2018**

- Maintained Odoo modules for v8 and v10.
- Developed custom libraries for Bolivian electronic invoicing: <https://pypi.org/project/Impuestos-Internos-Helper/1.0.1/>
- Migrated modules from v8 to v10 for electronic invoicing.

## Linux distribution maintainer

**Uremix Linux** | Santa Cruz, Bolivia

**April 2011 - July 2014**

- Built a Linux distribution based on Ubuntu for education and local technology use.
- Coordinated development and community engagement in Bolivia.

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## Skills (detail)

### Programming languages

- **Python** (7+ years; Flask, FastAPI) - Advanced
- **Rust** - Basic to intermediate; tools for system monitoring and bare-metal inspection
- **TypeScript / Angular** - Intermediate (2 years)
- Ruby, Java - Intermediate

### Backend development

- Flask, FastAPI, Django, Ruby on Rails
- RESTful APIs, GraphQL
- Microservice design and integrations

### Frontend

- Angular (HR systems)
- HTML, TypeScript, SCSS

### Database

- PostgreSQL (advanced), MySQL (intermediate)

### DevOps and infrastructure

- Linux server administration (Debian/Ubuntu)
  - Hybrid infrastructure (VPS and bare metal)
  - Docker, systemd, Nginx, Git, CI/CD
  - Domains, SSL, and firewall configuration
  - Security hardening and monitoring
  - Scrum
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## Projects

### GrandBastion.dev (2023 - Present)

<https://grandbastion.dev>

Personal website and infrastructure on a hybrid network (VPS and bare metal), powering custom tools and self-managed services.

- Developed Rust utilities for system inspection (CPU, memory, disk, network).
- Deployed services with Docker, Nginx, and systemd.
- Secured communication between local and remote nodes.

### Constrictor (2024 - Present)

<https://github.com/drkpkg/constrictor>

Python microframework on Flask, inspired by Rails, for modular application development.

- CLI commands to generate projects, modules, and run or test apps.
- Flask Blueprints, `.env` configuration, and test targeting by module.
- Rust version planned.

### Uremix (2011 - 2015)

Ubuntu-based Linux distribution for Bolivian education and local technology.

- Custom ISO images with preinstalled educational tools.
  - Maintained apt repositories and community support.
  - FOSS advocacy; met Richard Stallman in 2010.
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## Accomplishments

- Led DATEC's first international ERP rollout in Costa Rica.
  - Created reusable Python libraries for Bolivian invoicing standards.
  - Built personal hybrid infrastructure for self-hosted services and tools.
  - Contributed to national free software events and maintained a Linux distribution.
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## Certifications

- Fundamentals of TypeScript

- Shell Scripts for Beginners
  - Learning Linux Basics
  - DevOps Pre-Requisite Course
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## Languages

- Spanish: Native
  - English: B2 - Professional working proficiency
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## References

Available upon request.