

# ESTEBAN MURILLO PORRAS

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## EDUCATION

Universidad Internacional de las Américas

San José, Costa Rica

B.Sc. in Software Engineering

Dec 2023

## PROFILE SUMMARY

Senior Software Engineer with 7+ years of experience in Python, AI-powered systems, and cloud-native architectures (AWS, Azure). Skilled in LLM integrations, OpenAI APIs, RAG-based solutions, microservices, and CI/CD automation, with proven success in fintech, HR, and healthcare.

## EXPERIENCE

Infinite Computer Solutions

San José, Costa Rica

Senior Software Engineer

Jun 2025 - Present

- Built and maintained Python APIs, reducing data errors by 20%.
- Developed AI-enabled UI components, improving usability and page load speed by 30%.
- Automated deployments with Jenkins and Terraform, reducing environment setup time by 40%.
- Leveraged AWS Lambda for data-driven workloads, reducing manual interventions by 25%.

International College SEK

San José, Costa Rica

Senior Software Engineer

Apr 2022 - Jun 2025

- Delivered HR and healthcare platforms using Python APIs, improving reliability by 35%.
- Built CI/CD pipelines (Jenkins, GitHub Actions, Terraform), reducing release cycles by 35%.
- Deployed applications with Docker and Kubernetes (AWS EKS), reducing downtime by 40%.
- Applied RBAC and validations, cutting compliance risks by 30%.

Advirsors RM S.A

San José, Costa Rica

Senior Software Engineer

Feb 2018- Apr 2022

- Built Python REST APIs integrated with PostgreSQL, improving transaction reliability by 35%.
- Developed dashboards for real-time reconciliation and reporting.
- Automated workflows and integrated third-party APIs, cutting admin workload by 50%.

## PROJECTS

AI Knowledge Search Assistant

San José, Costa Rica

Senior Software Engineer

Jan 2025 - June 2025

- Built an AI-powered knowledge assistant with Python and OpenAI APIs, enabling enterprise natural language search.
- Implemented a retrieval-augmented generation (RAG) pipeline with Python + Azure Cognitive Search, reducing lookup time by 60%.

Membership Payment System

San José, Costa Rica

Senior Software Engineer

Apr 2022 - Jun 2025

- Designed Spring Boot microservices for multi-tenant payments with RabbitMQ retry queues, achieving 99.95% reliability.
- Automated releases with Jenkins + Docker, cutting deployment time by 40%.

HR Management System (Health & HR Portal)

San José, Costa Rica

Senior Software Engineer

Jan 2024 - Feb 2025

- Built Python APIs supporting enterprise portals, scaling to 20K+ users.
- Deployed on Docker and Kubernetes, reducing downtime by 35%.

## SKILLS

**Programming:** Python, Java (Spring Boot, Spring Cloud), Node.js, React, Angular.

**AI & LLMs:** OpenAI APIs, Prompt Engineering, Retrieval-Augmented Generation (RAG)

**Cloud & DevOps:** AWS (Lambda, ECS, EKS), Azure (AKS, Cognitive Search), Docker, Kubernetes, Terraform, Jenkins, GitHub Actions

**Databases:** PostgreSQL, SQL Server, Redis, MongoDB, DynamoDB

**Testing/Quality:** PyTest, JUnit, Jest, Cypress, Postman, xUnit

**CI/CD & Architecture:** Jenkins Pipelines, GitHub Actions, Kubernetes, Terraform, System Design & Architecture.

**Languages:** Spanish (Native), English (C1)