

Jonathan Chavarria

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Professional Summary

Python and DevOps Engineer with 5+ years building automation, CI/CD, observability, and reliability tooling in Intel engineering environments. Focused on Cloud, DevOps, and AI Engineering: applying Python, Docker, GitHub Actions/Jenkins, MCP servers, and LLM workflows to automate platform operations, improve incident response, and build developer tools. Currently deepening cloud/IaC skills through hands-on AWS, Terraform, and Kubernetes projects.

Skills

Programming: Python (Advanced), Bash/Shell, SQL, TypeScript.

DevOps: Docker, GitHub Actions, Jenkins, JFrog Artifactory, GitHub Enterprise/1Source, Git LFS, CI/CD.

Cloud & IaC: AWS (ECS/ECR/EFS), Terraform, Kubernetes – hands-on learning through personal projects.

AI & Automation: LLM Agents, MCP Servers, RAG, OpenAI-compatible APIs, Prompt Engineering, Test Automation.

Web & APIs: FastAPI, Flask, Node.js, RESTful API Design.

Observability: Elasticsearch/ELK, Kibana, Prometheus, Grafana.

Systems & Platforms: Linux (Ubuntu/RHEL/Alpine), Windows.

Databases & Tools: PostgreSQL, MySQL, SQLite, Teradata, Git, Jira.

Languages: Spanish (Native), English (Advanced).

Work Experience

DevOps Engineer

Mar 2026 - Present

Net2Source

Heredia, Costa Rica

- Develop Python automation for LDAP directory-service integration and internal group synchronization, reducing manual administration across enterprise developer platforms.
- Maintain and troubleshoot CI/CD and artifact-management tooling with JFrog Artifactory, Jenkins, GitHub Enterprise/1Source, Docker, and Copilot in an Intel engineering environment.
- Build Python monitoring and **AI-assisted troubleshooting** workflows with LLMs, **ELK/Elasticsearch**, and **MCP-style integrations** to accelerate RCA and surface platform issues earlier.

Software Development Engineer in Test

Jan 2020 - Jun 2025

Intel Corporation

Heredia, Costa Rica

- Served as **Product Owner and Technical Lead** (Scrum) for a 6-engineer team on a next-gen Xeon product, delivering every milestone on schedule despite repeated timeline pull-ins; earned multiple leadership and performance recognitions.
- Owned the team's **CI/CD infrastructure**: automated unit/integration testing, static analysis, code-standard checks, and automated code-review suggestions, becoming the cross-product reference other CI/CD owners replicated.
- Created a centralized **Python/Bash automation toolkit** on GitHub (SOLID/OOP) adopted by PPV teams across countries, including one-command **platform-boot automation** that replaced manual EFI/OS steps and became the cross-team standard.
- Built a product-agnostic **Python + SQL (Teradata)** data standard to extract and visualize large operational data volumes for **Product Health Indicators (PHIs)**, cutting retest and test time; adopted by engineering and operations.
- Integrated and validated CPU test programs released to factories and run on **millions of units**; reduced **DPM (Defects Per Million)** through test optimization and architecture-level failure debugging, raising **yield**.
- Led a programming **upskilling program** (trainings, assessments, mentorship) that raised **~60% of the team to advanced level**; mentored engineers, including one promoted to Product Owner.

Projects

TicoRates — Public Exchange Rate API & MCP Server for Costa Rica

github.com/jonach1998/ticorates

- Built an open-source **FastAPI** REST API serving official Costa Rican exchange rates (43 currencies) from the Central Bank (BCCR), with on-demand SQLite caching and concurrent-request deduplication to minimize upstream calls.
- Shipped an **MCP server published to PyPI** that lets AI assistants such as Claude and Cursor query and convert exchange rates natively.
- Automated **multi-arch Docker builds (amd64/arm64)** and **GitHub Actions CI/CD** publishing to Docker Hub and PyPI; self-hosted on a Raspberry Pi and **live** with interactive API docs at ticorates.dev/docs.

JobHound — AI-Powered Job Hunting Automation

github.com/jonach1998/jobhound

- Built an open-source Python tool that collects jobs from LinkedIn, Indeed, and Computrabajo, scores listings with any OpenAI-compatible LLM, and delivers top matches via Telegram.
- Designed a multi-profile architecture for independent concurrent searches per candidate with zero code changes; profiles are auto-discovered at runtime.
- Implemented a hands-on **AWS/Terraform** deployment with scheduled **ECS Fargate** tasks, **ECR**, **EFS**, least-privilege **IAM**, SQLite deduplication, and GitHub Actions CI/CD.

Education

Bachelor's Degree in Computer Systems Engineering

Fidelitas University

Jan 2020 - Present

San Jose, Costa Rica

Bachelor's Degree in Electronic Engineering

Latin University of Costa Rica

Jan 2016 - Dec 2019

San Jose, Costa Rica