MAXLY GARCÍA

SOFTWARE ENGINEER

Dominican Republic
maxgarcia6@gmail.com | +1 8298778917 | LinkedIn | GitHub: Stinger14

PROFILE

Senior software engineer with 10+ years of experience building backend systems, APIs, and distributed applications.

Strong foundation in object-oriented programming and deep experience delivering microservices with Elixir, Python, and cloud-native tooling.

Focused on reliability, scalability, and pragmatic software delivery across product and platform work.

WORK EXPERIENCE

Freelance — **Dominican Republic (Remote)**
Software Engineer — *Mar 2023 – Present*

- Designed and built Chicuí end-to-end, a farm management platform for Dominican rooster breeders, owning both a Phoenix API backend and a React/Vite frontend spanning bird registry, genealogy, breeding, health, inventory, sales, expenses, and compliance records.
- Built an inventory management system from scratch to support stock tracking and product traceability using Elixir/Phoenix, PostgreSQL, and ETS.
- Implemented a Relay-only E2EE chat flow for a LiveView application integration.
- Contributed to open-source Elixir projects.

Tech Stack: Elixir/Phoenix, React, Vite, TailwindCSS, PostgreSQL, Docker

Zubale — **Mexico (Remote)**
Senior Software Engineer — *Jan 2022 – Oct 2023*

- Helped drive the transition from a monolithic application to a microservices architecture, improving scalability and maintainability for B2B workflows.
- Built user-facing features with Django and Elixir that reduced service downtime by about 30% and improved operational continuity.
- Implemented CI/CD pipelines to automate delivery workflows and shorten deployment cycles.
- Added real-time capabilities with Phoenix Channels to improve responsiveness in user applications.

Tech Stack: Python, Django, Elixir, Kubernetes, Google Cloud Platform (GCP), CI/CD, Apache Airflow, Apache Kafka, Scrum

Banco Agrícola — **Dominican Republic**
Software Engineer Analyst — *Aug 2018 – Jan 2022*

- Innovated internal workflows by developing custom Python tools, including scrapers and QT UI, resulting in a 30% increase in productivity and a 50% reduction in manual tasks.
- Optimized deployment processes by orchestrating the migration of services into Docker containers, reducing deployment time and enhancing scalability.
- Enhanced data analysis capabilities by processing large datasets using Jupyter notebooks and Pandas.
- Automated data extraction tasks by building web scrapers with Beautiful Soup4, increasing data acquisition efficiency and providing real-time updates for decision-making processes.

Tech Stack: Python, Django, Flask, Jupyter Notebooks, Pandas, BeautifulSoup4, Docker

Banco Agrícola **Santo Domingo, Dominican Republic**
Database Operator *Oct 2017 – Aug 2018*

- Ran SQL scripts across environment and production databases.
- Executed closing operations for internal business processes.
- Optimized queries to improve database performance.
- Performed data analysis using Pandas.

Tech Stack: SQL, Python, Pandas

PROJECTS

Chicuí — Farm Management Platform **chicui-xam-s-projects.vercel.app**

- Independently designed and built a full-stack platform for Dominican rooster breeders to manage bird registry, genealogy, breeding, health, inventory, sales, expenses, and compliance records.
- Backend built with Phoenix (Elixir) and PostgreSQL; frontend built with React, Vite, and TailwindCSS.

STACK & SKILLS

Programming Languages: Elixir, Python, SQL (also familiar with C++)

Frameworks and Tools: Phoenix/LiveView, ETS, Django, FastAPI, Flask, Pandas, TailwindCSS, Docker, Kubernetes, Redis, Google Cloud Platform (GCP), AWS S3, Git, GitHub Actions, Grafana

Database: PostgreSQL, Redis

AI Domain Knowledge: Currently completing Anthropic's AI Fluency and Cowork courses.

CERTIFICATIONS

Certificate of Completion: Claude Code 101 **Issued Jul 2026**
Anthropic
Credential ID: ayf89kzgju64 | Verify: verify.skilljar.com/c/ayf89kzgju64

EDUCATION

Pontificia Universidad Católica Madre y Maestra (PUCMM), Santo Domingo
Computer Software Engineering

LANGUAGES

English: Full professional proficiency
Spanish: Native

REFERENCES

Available upon request.