

Edwin Cubillos

Software Engineer | AI Engineer | Expertise in Development, Architecture, Databases | AWS | Python | Go | SQL | LLM | Vibe coding

With over ten years in software engineering and 3.5+ years focused on AI, I excel at building scalable applications and integrating cutting-edge technologies like LLMs, RAG systems, and cloud solutions. Proficient in Python, Django, Node.js, Go, and React. Passionate about continuous learning and leveraging new technologies to drive business success.

Lang and Tools: Python, Javascript, Golang, Docker, Linux, AWS, REST APIs, CI/CD, pre-commit, Django, FastAPI, React
AI & Machine Learning: OpenAI, Vertex, Bedrock, LangChain, image recognition/generation, text completion, open source LLM's, OpenCV, TTS

Cloud & DevOps: AWS deployment, containerization, automation frameworks, cloudformation, kubernetes

Additional: Agile methodologies, team leadership, full-stack development.

Professional Experience

Stori (Storicard - bank) - Sr AI Engineer (April-25 JAN-26)

- **System Architecture & Design:** Led the end-to-end architectural design and implementation of AI-powered automation systems from scratch, significantly reducing manual workloads.
- **Rapid Prototyping (MVP/PoC):** Directed the technical discovery and development of **MVPs** and **Proof of Concepts (PoCs)** for RAG-based assistants using LangChain to validate business value before full-scale rollout.
- **Scalable AI Infrastructure:** Engineered resilient backend microservices using **Go (Golang)** and **Python**, integrating LLMs (OpenAI, Bedrock, Llama) within a cloud-native ecosystem.
- **Strategic Voice Automation:** Architected an AI voice bot system leveraging STT/TTS technologies to automate complex customer interactions and improve service quality.
- **Deployment & Security:** Managed containerized deployments using Docker and Kubernetes, ensuring high performance, data privacy, and alignment with fintech security standards.
- **Cross-Functional Leadership:** Collaborated with stakeholders to align AI capabilities with strategic financial inclusion goals, mentoring junior engineers in best practices.

Mercado Libre – Software Engineer (Generative AI team)

February 2024 – April 2025 | Bogotá, Colombia (Remote)

- **AI Architecture & Ownership:** Acted as the technical owner for the end-to-end integration of multi-model LLM platforms, including OpenAI, Amazon Bedrock, Vertex AI, Llama, and DeepSeek.
- **AI Security & Governance:** Designed and implemented robust security layers to mitigate AI-specific risks, such as **Prompt Injection** and **Jailbreaking**, ensuring model outputs met strict ethical and compliance standards.



CONTACT

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EDUCATION

Electronics Engineer,

UPTC: 2010-2016

React.js Essential Training & React: State Management

Linkedin Learning

Terraform,

Linkedin Learning

Google Cybersecurity Certificate

Google

Leading Teams

Linkedin learning

Circuits and Electronics

Massachusetts Institute of Technology - MITx

Additional industry-relevant courses in Data Engineering and Cloud Technologies

SKILLS

AI Engineer

Clean Architecture

Design

Team Leadership

Communication Skills

Professional Highlights

- **Strategic AI Architect & Owner:** Expert at taking AI initiatives from **PoC to production-ready systems**, maintaining full ownership of the technical roadmap and architectural decisions.
- **Startup Agility & Execution:** Proven track record of delivering high-impact solutions in fast-paced startup environments, demonstrating the **decisiveness and high energy** required to pivot and scale rapidly while maintaining code quality.
- **AI Security & Governance:** Specialist in securing LLM implementations, designing robust defense layers against **Prompt Injection and Jailbreaking** while ensuring data privacy across fintech and e-commerce ecosystems.
- **Business-Centric Engineering:** Deeply integrated into **Business Logic**, translating complex strategic goals into technical requirements that drive multi-million dollar operational savings.
- **Full-Stack Cloud Expertise:** Advanced mastery of **Go (Golang)**, **Python**, and containerized deployments on **AWS/GCP**, ensuring 99.9% reliability for high-concurrency distributed systems.
- **Continuous Improvement & Mentorship:** Foster a culture of excellence through rigorous code reviews, automated QA pipelines, and the professional growth of hybrid engineering teams.
- **Advanced Automation & Computer Vision:** Leverage cutting-edge tools like **LangChain**, **OpenCV**, and **Selenium** to automate complex human-centric tasks, from drone navigation to voice-bot interactions.

- **Workflow Design:** Engineered automated summarization and classification workflows using **LangChain**, transitioning manual internal processes into scalable, AI-driven autonomous systems.
- **Monitoring & Observability:** Developed monitoring and feedback loops to validate model performance, accuracy, and reliability across production-level rollout.
- **Secure Payment Infrastructure:** Integrated high-security payment APIs and architected automated **fraud detection** modules to protect the fintech ecosystem.
- **High-Performance Backend:** Built and optimized containerized microservices using **Go (Golang)** and **Python**, leveraging AWS and GCP for high-concurrency distributed systems.

Uber (Uber Eats & Uber Platforms) – Software Engineer *June 2022 – May 2023 | Colombia (Remote)*

- **Computer Vision with OpenCV:** Developed modules using OpenCV for image processing to automatically detect blurred images and extract data for background checks via Python.
- **API & Mobile Integration:** Built and maintained RESTful backend APIs ensuring high-performance data synchronization between mobile applications and server systems.
- **Automation:** Utilized Docker and AWS for streamlined deployment and operational stability.

Nokia – Senior Software Engineer

December 2020 – February 2022 | Bogotá, Colombia

- **Architectural Ownership:** Led the end-to-end design and development of enterprise products from scratch, utilizing **Python (Django/FastAPI)**, **React**, and **Angular** to automate critical business functions.
- **International Leadership:** Directed a hybrid cross-functional team across **Brazil and Colombia**, managing task assignment and mentoring junior engineers within an **Agile/Scrum** framework.
- **High-Impact Automation:** Engineered an automated "Invoice-Pay" system that eliminated human error and reduced processing time, resulting in **millions of dollars in operational savings** for the company.
- **Cloud & ETL Infrastructure:** Designed robust **ETL pipelines** and serverless architectures using **AWS (Lambda, API Gateway, DynamoDB)** and **Docker** to handle large-scale data processing.
- **Operational Efficiency:** Developed **Selenium-driven** automation and custom reporting tools (Power BI/Pandas) to streamline internal workflows and enhance data-driven decision-making.

Additional tools:

- **Cloud Infrastructure & AWS Deep Dive** | Lambda, EC2, EB, ECS, Step Functions, DynamoDB, S3, RDS, ElastiCache, Route 53, EBS, Snowflake, API Gateway, IAM Roles/Policies, AWS Shield, CloudFormation, Terraform, Glue, BigQuery, Airflow, EventBridge, SQS

AI, ML & Python Ecosystem | Anthropic (Claude), DeepSeek, Meta (Llama), Hugging Face, CrewAI, LangChain, OpenAI, Vertex AI, Bedrock, Pandas, NumPy, PyTorch, Sklearn, SciPy, OpenCV, STT/TTS (Whisper), Image Gen/Variation.

Backend & Orchestration | FastAPI, GeoDjango, GraphQL, SOAP, REST, WhatsApp API, Celery, Huey, RabbitMQ, Selenium, Pytest, Ansible, Jenkins, CI/CD, Git.

Frontend & Legacy Web | Backbone.js, jQuery, Bootstrap, Vanilla JS, CSS3, HTML5, Chart.js, Power BI.

Observability & DevTools | New Relic, Sentry, Datadog, Kibana (Elastic), CloudWatch, SonarQube, Cursor, Copilot, Codex, MacOS, Ubuntu Server, Shell/Bash, Tmux.

Methodologies & Strategy | Scrum, Kanban, Agile, Team Lead, Mentoring, Software Architecture, Strategic Decision Making, Risk Mitigation, AI Security (Prompt Injection/Jailbreaking).

Axiacore, Rapigo & Consulting Projects

- **Full-Stack Development:** Architected and deployed scalable web applications and microservices using **Python (Django/FastAPI)**, **Go**, and **Node.js** for backend, with **React** and **Angular** for high-performance frontends.
- **Microservices & Containerization:** Designed distributed systems from scratch using **Docker** and **Kubernetes**, ensuring seamless service orchestration and environment parity across development and production.
- **Integration & Security:** Led the development of secure API integrations (REST/SOAP) for fintech and logistics sectors, implementing **OAuth2**, **IAM policies**, and fraud prevention modules to ensure data integrity.
- **CI/CD & DevOps Ownership:** Established automated deployment pipelines using **Git**, **GitHub Actions**, **Jenkins**, and **Ansible**, reducing deployment times and ensuring high availability for enterprise-grade applications.
- **Data Engineering & ETL:** Developed complex ETL pipelines and managed diverse database architectures including **PostgreSQL (PostGIS)**, **MySQL**, **Redis**, and **Snowflake** to support data-driven decision-making.
- **Stakeholder Interaction & Delivery:** Acted as a technical consultant to evaluate project viability, identifying risks and translating business requirements into technical roadmaps for clients in telecom, logistics, and retail.

AI & Robotics Lead | MYO-PYTHON-BEBOP (Open Source/Research)

- **End-to-End AI Robotics:** Designed and developed a Python-based control system from scratch to operate a Bebop Drone using a MYO armband.
- **Motion Recognition:** Integrated computer vision and real-time motion recognition algorithms to enable AI-assisted drone navigation.
- **Community Contribution:** Published and maintained open-source codebases, fostering collaboration and technical documentation for the developer community.