

PROFESSIONAL PROFILE

Information Technology Engineer with experience as a Full Stack developer, specializing in web platforms using Django, Angular, FastAPI, and SQLAlchemy. I have led developments with modular architectures, reusable services, and a focus on user experience, relying on artificial intelligence tools such as Cursor and other code copilots to accelerate development, debugging, and documentation tasks. I work in agile teams (Scrum), collaborating directly with clients and stakeholders. I have a high level of English proficiency, which allows me to communicate effectively in technical and multicultural environments. I also have knowledge of UX/UI design and emerging technologies such as blockchain.

EDUCATION

B.S. in Information Technologies

Escuela Politécnica Nacional

Quito, Ecuador

Sep 2018 - Oct 2023

TECHNICAL SKILLS

- Programming Languages:** Python, SQL, Java, .NET, JavaScript, TypeScript, Solidity, Docker, Flutter.
- DevOps & Version Control:** Git, Github, Gitlab, Azure DevOps, pull requests, CI/CD.
- Frameworks & Libraries:** Django, Flask, Angular, NextJS, React, Node.js, Express.js, HTML, CSS.
- Cloud & Deployment:** Azure App Services, Docker
- Databases:** SQL, MySQL, NoSQL, PostgreSQL, MongoDB.
- Blockchain:** web3.js, ethers.js, Solidity.
- Testing & Automation:** PyTest, Power Automate.
- UX/UI Design:** Figma, User-centered design principles, prototyping
- IoT & Embedded Systems:** Raspberry Pi, Arduino, ESP32, MQTT, ROS2
- Idioms:** Español (nativo), Inglés (alto dominio)
- AI Tools for Dev:** GitHub Copilot, Cursor, ChatGPT, Claude

PROFESSIONAL EXPERIENCE

FULL STACK DEVELOPER | PREX TECHNOLOGIES | [LINK](#)

Oct 2024- Present

- Delivered functional enhancements and new features for Concreto.ai, a requisition management platform for the construction industry (Django).
- Led the migration of the supplier module from Django to a modern stack using Angular (frontend) and FastAPI + SQLAlchemy (backend), implementing a Repository Pattern for scalability.
- Developed a modular email service supporting async sends, HTML templates, attachments, and SendinBlue integration.
- Collaborated on the development of a budgeting platform for national civil construction projects, working in a 4-person team using Angular (frontend) and .NET (backend), participating in stakeholder meetings with corporate decision-makers.
- Deployed applications via Azure App Services and managed CI/CD with Azure DevOps.
- Worked in Agile teams using Scrum, attending planning, daily standups, reviews, and stakeholder validations.
- Provided Level 2 technical support, resolving incidents and ensuring platform stability.

RESEARCH ANALYST (FULL-TIME) | INSTITUTO UNIVERSITARIO RUMIÑAHUI (ISTER) | [LINK](#)

Jan 2024 - Aug 2024

- Managed over 100 research projects, showcasing organizational and leadership skills.
- Evaluated more than 30 research proposals in 2024, supporting academic growth.
- Developed a React + web3 site to issue 80+ NFT certificates on the Polygon Network.
- Automated workflows using Power Automate; led a NoSQL workshop for 30+ students.

SOFTWARE DEVELOPMENT INTERN | RCB TRACE | [LINK](#)

May 2020- Jul 2023

- Built and maintained APIs with SQL stored procedures, integrated into Java/Kotlin backends.
- Contributed to Agile teams using SCRUM, participated in daily stand-ups.
- Demonstrated strong Git-based version control and cross-functional collaboration.
- Focused on API reliability and performance, supporting high-quality deliverables.

PROJECTS

Blockchain Certificate Issuance System | [LINK](#)

Jun 2024 - Jul 2024

- Designed a smart contract (Polygon, web3.js, Metamask), React frontend, and Node.js backend (Dockerized).
- Successfully issued 70+ NFT certificates with a cost under \$0.01 each.

CLI Password Manager (Multi-user) – CS50 Final Project | [LINK](#)

May 2024

- Developed a secure multi-user password manager in Python using hashing, encryption, and user authentication.

Academic Load Management System – DETRI, EPN | [LINK](#)

Oct 2022 - Jun 2023

- Implemented a 3-layer software architecture (Data, Business, Presentation) using C#, .NET, SQL, and Windows Forms.

CERTIFICATIONS

DevNet Associate (Cisco) LINK	Jul 2024
Introducción a la inteligencia emocional (AnahuacX edX) LINK	Jun 2024
CS50's Introducción a la programación con Python (Cambridge, Massachusetts edX) LINK	May 2024
Curso de Blockchain (ISTER) LINK	Jun 2024
Python Essentials 1 Cisco & OpenEDG Python Institute LINK	May 2024
¿Qué es un producto de Software con Calidad? (CEDIA) LINK	May 2024
HCIA-IoT V3.0 Course (HCIA-Huawei) LINK	Feb 2024
Next-Generation Cyber Security (HCIA-Huawei) LINK	Feb 2024
Algorithm and Program Design (HCIA-Huawei) LINK	Jan 2024
SQL (Advanced) (HackerRank) LINK	Oct 2023