Rafael
Architect Tech Lead / Fullstack Developer

SUMMARY

- Over 5 years of experience in full-stack development and technical leadership, specializing in backend API design and financial infrastructure integration.
- Proficient in Python, Flask, SQLAlchemy, JavaScript frameworks (React Native, Vue.js), Kotlin, and multiple SQL databases, with strong expertise in REST & SOAP API development and testing (pytest).
- Led the fastest Mastercard integration in Latin America, architected systems for virtual/physical card issuance, antifraud, referrals, and P2P/external wire transfers.
- Skilled in cloud platforms (AWS, Heroku), server management (nginx, IIS), and version control (Git), with experience building scalable, secure financial and educational web applications.
- Holds a Mechatronics Engineering degree and completed advanced coursework in Data Science and AI, awarded for academic excellence, demonstrating strong analytical and problem-solving capabilities.

TECHNICAL SKILLS

Main Technical Skills	Python (5 yr.), JavaScript (5 yr.), React Native (3 yr.), Vue.js (3 yr.), Kotlin (2 yr.)
Programming Languages	JavaScript (5 yr.), Kotlin (2 yr.), Python (5 yr.)
Python Frameworks	Flask (5 yr.)
Android Libraries and Tools	Kotlin (2 yr.)
Python Libraries and Tools	pytest (5 yr.)
JavaScript Libraries and Tools	React Native (3 yr.)
JavaScript Frameworks	Vue.js (3 yr.)
Databases & Management Systems / ORM	MySQL (5 yr.), PostgreSQL (5 yr.), Redis (5 yr.), SQL (5 yr.), SQLAlchemy (5 yr.), SQLite (5 yr.)
Cloud Platforms, Services & Computing	AWS (5 yr.), Heroku (5 yr.)
Version Control	Git (5 yr.)
Web/App Servers, Middleware	IIS manager (5 yr.), Nginx (5 yr.)
	pytest (5 yr.)

QA, Test Automation, Security	
Scripting and Command Line Interfaces	Regexp (5 yr.)
SDK / API and Integrations	RESTful API (5 yr.), SOAP API (5 yr.)
Other Technical Skills	Exposed (2 yr.), Javelin (2 yr.)

WORK EXPERIENCE

Tech Lead - KabCash (KabCash)

Duration: 2022 – Current
Summary:

- Development of backend API and financial infrastructure for KabCash, focusing on banking integrations and card issuing services
- KabCash is a financial technology company providing digital payment solutions including virtual and physical debit and credit cards

Responsibilities:

- API programming and backend logic development.
- Collaboration with providers for API integrations.
- Creation and expansion of test coverage.
- Architecting systems for user incentives, referrals, antifraud, P2P and external wire transfers.

Technologies: Python, Flask, SQLAlchemy, pytest, REST & SOAP APIs, AWS, Git

Fullstack Developer - Universidad IVES, Xalapa, Mexico (University Web Modules Development)

Duration: 2019 – Current
Summary: Development and gradual replacement of legacy systems with new web modules for Universidad IVES, including enrollment, payment, registration, certification, and digital degree creation modules to improve administrative efficiency.
Responsibilities:

- Creation of new web modules.
- Gradual replacement of legacy systems.
- Automation of manual administrative tasks.

Technologies: JavaScript, Vue.js, Python, SQL, MySQL, REST APIs

Fullstack Developer - Delta General Agency Corporation, Houston TX (Legacy System Updates and Web Module Creation)

Duration: 2020 – 2023
Summary: Updating legacy systems and creating new web modules to automate manual tasks and processes for Delta General Agency Corporation, a company providing insurance

and general agency services.
Responsibilities:

- Programming and idea generation.
- Updating legacy systems.
- Creation of new web modules.
- Automation of manual tasks and processes.

Technologies: JavaScript, React Native, Python, SQL Server, REST APIs

Remote Chief Technology Officer - Partum Technology Solutions, Puebla, Mexico (Smart Scale Prototype and Election Reporting Web App)

Duration: 2020 – 2022
Summary: Led technology development at Partum Technology Solutions, building the tech stack and developing systems including a smart scale prototype and a web application for reporting issues during local elections.
Responsibilities:

- Building the technology stack.
- System development.
- Delegating tasks to team members.

Technologies: Python, Flask, JavaScript, Vue.js, AWS, Git

EDUCATION

- **Mechatronics Engineering Degree, Universidad Iberoamericana Puebla**
  2015 – 2019

CERTIFICATION

- **Course in Data Science and Artificial Intelligence, Tecnológico de Monterrey**
  2022
- **Prize of excellence in academic performance, CENEVAL**
  2019