

VICTOR RODRIGUEZ CABRERA

Senior Software Engineer

Experienced computer engineer with +10 years in web app development, specializing in OdoO (v8-15), Python (Flask, Django), and Java (Spring Boot). Expertise spans sectors like supermarkets, customs, restaurants, fintech, among others. Skilled in AWS and CI/CD for scalable solutions. Recognized for API development linking cryptocurrency apps, CRMs, and banking systems, delivering innovative solutions.

Email: victor.rodriguez.ca@gmail.com

Location: Guayaquil, Ecuador

Call me: +593 (99) 147-8537

LinkedIn: <https://www.linkedin.com/in/victorrodriguez/>

PROFESSIONAL EXPERIENCE

Senior Back End Developer

NAWI

07/2024 - 12/2025

Mexico City, Mexico (Remote)

Designed, maintained, tested, and debugged the source code for over seven microservices built with a hexagonal architecture.

Developed a custom package to enhance service maintenance, reduce shared process redundancy by 35%, and establish standardized guidelines for future improvements.

Implemented functionalities such as account-to-account transfers, account inquiries, ATM withdrawals, national and international purchases, and transaction reversals through external authorizers.

Delivered CRUD operations for merchants, sub-merchants, internal cardholders, and integrated external APIs from providers like Dock (Neobank) and STP Mexico, aligning them with the business model.

Senior Back End Developer

Coderland by Dominion

09/2022 - 03/2024

Panama City, Panama (Remote)

Wambala (Training platform for high-performance athletes)

- Conducted the audit, implementation, and development of this project in its Phase 1, which involved ensuring it met the minimum functionalities for deployment in a production environment.
- Implemented enhancements and corrections on the React.js website, improving processes and communication with the web server.
- Improved performance in processing and generating sports schedules based on a set of matrices defined by the client.
- Implementation of email delivery using SendGrid and notification with Firebase.
- Led the development team responsible for migrating Phase 1 (React.js, Flask, SQLite) to Phase 2 (Next.js in both FE and BE, PostgreSQL), and I was responsible for designing the new application architecture and database modeling.

BitBase (Cryptocurrency exchange)

- Developed a Flask middleware responsible for transferring and synchronizing transactions from the core business application used across various sales channels (ATMs and stores) to an OdoO v15 server, managing inventory and accounting for the business.
- Generated PDF quotations and invoices using information retrieved from OdoO v15 via JSON-RPC, leveraging the company's custom template.
- Implementation of EDA for event handling related to customer transactions and billing using Amazon MQ (Rabbit MQ).
- Configured middleware to send logs to ELK for monitoring and analysis.

Unnax-PFM (Personal Financial Management)

- Support, bug fixing, and refactoring of +15 microservices based on Flask and Next.js for PFM and CDC.
- JWT-based authentication and hybrid authentication between the services within this ecosystem and Unnax services.
- Creation of an email administrator via SendGrid and Pusher.
- MySQL and MongoDB database administration and secure encryption with bcrypt and AES-256.
- Scripting for automatic migrations using Alembic and SQLAlchemy.
- Developed bank account reports generation for clients in XLSX, PDF, and JSON formats.
- Creation of scheduled tasks with Celery and Redis based on specific actions and/or schedules for bank (BBVA, BANREGIO, SCOTIABANK, etc.) and non-bank (SAT, IMSS, etc.) account creation.
- Responsible for CI/CD in Dev and QA environments.

SKILLS

Teamwork

Leadership

Critical Thinking

Empathy

Problem Resolving

Adaptability

Customer Orientation

Conflict Resolution

Research

DEVELOPMENT SKILLS

Language Programming:

Python, Java, JavaScript, ES6, Typescript, PHP, C.

Frameworks:

OdoO, Flask, Spring Boot, Django, NodeJS, React.js, Next.js, Bootstrap.

Servers:

Apache HTTP Server, NGINX, Apache Tomcat.

Web Communication Protocols:

RESTful, Webhook, WebSocket, GraphQL, XML-RPC, JSON-RPC, SOAP, AMQP.

Cloud Infrastructure:

AWS, EC2, RDS, ELB, S3, Route 53, MQ, DigitalOcean, GCP.

System administration and monitoring:

Ubuntu, Centos, BASH, ELK (Elastic, Logstash, Kibana), Windows.

Databases:

PostgreSQL, MySQL, SQL Server, SQLite, Redis, Firebase, MongoDB.

Containerization:

Docker, Docker Compose, Docker Swarm, Kubernetes.

Data Analytics:

Numpy, Pandas, PowerBI, Octave, R.

CERTIFICATES

- Google AI Essentials Specialization – Google (2025)
- Vibe Coding Essentials - Build Apps with AI Specialization – Scrimba (2025)
- AWS Cloud Practitioner + AWS Developer + AWS Solutions Architect - Certimas (2023)
- Scrum Master Professional Certificate - SMPC® - CertiProf (2022)
- Scrum Product Owner Professional Certificate - SPOPC - CertiProf (2022)
- Scrum Developer Professional Certificate - SDPC - CertiProf (2022)
- Scrum Foundation Professional Certificate - SFPC™ - CertiProf (2022)

ORGANIZATIONS

Institute of Electrical and Electronics Engineers (2011 - Present)

- Member and Volunteer
- Student Chapter Chair and Branch Vice Chair
- IEEEXtreme: Participate and Proctor

Coderland-Hirint *(Enhancing the recruitment process by analyzing soft skills)*

- Developed a Java Spring Boot middleware that automates the interconnection between Zoho CRM and [Hirint.io](#) through their respective APIs.
- Implemented report generation via Webhook in JSON, DOCX, and PDF formats by merging candidate information from Zoho and Hirint.io upon completion of the test.
- Responsible for deploying the application in Dev and Production environments.

SysAdmin and Full Stack Developer

TECNOSMART

02/2021 - 09/2022

Guayaquil, Ecuador (Hybrid)

- Developed custom functionalities and carried out the reengineering of various processes, functionalities, and modules created in Odoo v13 (Accounting, Inventory, Technical Support, Paymentez, etc).
- Managed and automated database backups (crontab), as well as monitoring in development and production environments.
- Deployment, administration, and update of the entire online store using WooCommerce.
- Performed the integration between Odoo and WooCommerce (WordPress).
- Led and carried out the integration of the PlacetoPay Payment Gateway in WooCommerce.
- Technical support for the application in all company processes regarding reported incidents, operational processes, and/or errors encountered in the system.

Backend Developer

LOGA SYSTEMS

06/2018 - 08/2020

Guayaquil, Ecuador (Hybrid)

Loga Hub (now Logihub)

- Implemented several modules for the Logistics and Customs Processes Platform.
- **Audit Module:** Responsible for keeping a record of users' key actions and processes within the platform.
- **Shipping Line Itinerary Module:** Manages shipping line schedules according to order processing.
- **Partner Group and Partner Segment Module:** Administration of clients and partners (companies or holdings).
- Developed a reporting microservice with Java Spring Boot and iText7 to enhance the performance of the main application, which was being affected by the processing load and resource consumption associated with report generation.
- Contributed to the maintenance and enhancement of the explorer module, which was configurable and flexible, facilitating advanced searches for orders, clients, partners, among others, based on very specific criteria.

Web & Software Developer

Ecuador On Rails

04/2017 - 05/2018

Guayaquil, Ecuador (On-site)

- Developed several Odoo v11-based websites for businesses such as professional hiring, supermarkets, hardware stores, among others.
- Developed a daemon using Python and BASH for communication with a server running Odoo v11. This daemon sent control commands to the application responsible for managing access to a stadium with +50,000 spectators.
- Participated in the data migration and version upgrade process from Odoo v11 to v12 for the company's clients.
- Implemented **+50 POS** systems across **5 locations** of a supermarket chain with a daily influx of **+500 customers**.

Semi-Senior Developer

DRONCAT S.A.

04/2017 - 11/2017

Manta, Ecuador (On-site)

- Developed a native Android mobile application (online and offline) for urban cadaster information recording, enabling the capture of forms, photos, and videos that automatically synchronized with a web server upon internet connection restoration.
- Collaborated closely with the team for process improvement and development of new functionalities for Odoo v11 deployed on a CentOS 7 server.
- Improved mobile application performance by **7.5x** with multi-threaded data loading through Multipart requests.
- Responsible for service deployment and data integrity.

EDUCATION

Escuela Superior Politécnica del Litoral (ESPOL)

Bachelor of Science - Computer Science

[ABET Accredited Program](#)

05/2010 - 06/2016

Guayaquil, Ecuador

Toastmasters International - Ecuador (2023 - Present)

- Club Partner [2023 - Present]
- Vice President Public Relation [2023]

VOLUNTEERING

Scout Group # 2 – Carlos Pérez Perasso

- Troop Scout [2005 - 2009]
- Rovers [2010 - 2014]
- Troop Leader [2015 - 2018]

Institute of Electrical and Electronics Engineers - IEEE (2011 - Present)

IEEE Computer Society R9

Distinguished Visitor Program (DVP) / Awareness and Customer Advocacy (ACA) – Coordinator
Latin American and Caribbean Representative (R9) [2024 - Present]

IEEE Computational Intelligence Society Ecuador

Ecuador Chapter Chair [2023]

IEEE Computer Society Ecuador

Chapter Vice Chair [2019 - 2022]

Chapter Chair [2016 - 2019]

IEEE-ESPOL Student Branch

Vice Chair [2015 - 2016]

Computer Society Chapter Chair [2013 - 2014]

IEEE Member

Volunteer [2011 - Present]

HONOR AWARDS

1ST PLACE CONTEST (06/2017)

IBM, IEEE Computer Society, Alcaldía de Santiago de Cali

Development of a proposal to improve transportation and reduce pollution through social media campaigns and gamification.

Richard E. Merwin Scholarship Winner (07/2016)

IEEE Computer Society

Institute of Electrical and Electronics Engineers (IEEE)

Recognizing and Rewarding Student Member Leadership.

Outstanding Student (07/2016)

Faculty of Electrical and Computer Engineering
Escuela Superior Politécnica del Litoral

Top 5 students with the highest academic averages in the faculty.

Outstanding Undergraduate Teaching Assistants (10/2013 – 02/2014) / (04/2014 – 09/2014)

Faculty of Electrical and Computer Engineering
Escuela Superior Politécnica del Litoral

Undergraduate Teaching Assistants for the courses: Essentials of Programming, Object-Oriented Programming, and Computer Networks.

LANGUAGES

Spanish
Native

English
Professional Working Proficiency