Eduardo Rios

Computer Systems Engineer

236 Paseo Pvt
Ottawa, ON K2G 4N7
343 297-7378
ercorlay7_@msn.com
Personal Website

SUMMARY

Full Stack Developer with 4+ years of experience delivering performant, cloud-based applications across frontend and backend. Proficient in JavaScript/TypeScript, Vue, React, and Python (Flask, FastApi, Django, Pandas, Bokeh), with hands-on experience in AWS (S3, Cognito), Docker, and containerized deployment. Familiar with Node.js. Proven track record in cross-functional agile teams building features for internal and external users. Strong communicator and continuous learner with public teaching experience via YouTube and Udemy.

SKILLS

Frontend: Javascript, Typescript, React, Vue, Next.js, Quasar

Backend: Python (Django, Flask, FastApi, Pydantic, Graphene), Node.js (familiar), REST APIs, GraphQL APIs

Cloud & DevOps: AWS (S3, Cognito), Docker, Git, CI/CD basics.

Databases: PostgreSQL, MongoDB, SQLAlchemy, SQLModel, Sqlite, SQL.

Other Tools: Postman, JWT, Keycloak, Jira, Pandas, Bokeh, Agile/SCRUM.

LANGUAGES

English (fluent), Spanish (native), French (beginner)

EXPERIENCE

APS Aerospace, Ottawa - *Full-stack Developer*

MAY 2021 - PRESENT

- Built and maintained production-ready apps using Vue (Quasar), Django, Flask, and Graphene, REST APIs, GraphQL APIs.
- Delivered cloud-connected features leveraging AWS S3 and containerized deployments with Docker.

- Developed internal admin dashboards and data visualization pipelines using Pandas and Bokeh.
- Participated in agile sprint cycles, peer reviews, and QA sessions; used Jira and Git for task tracking.
- Collaborated on DevOps initiatives including containerization and CI practices.

Key Projects:

- **Reports App:** Javascript, Typescript Vue Dashboard powered by Power BI REST API and Django.
- **User Admin App:** Javascript, Typescript Vue frontend, User/role management with Keycloak and Django using REST API.
- **Datalake Explorer:** Javascript, Typescript Vue, AGGrid, Real-time exploration of structured operational data with several backends both REST APIs and GraphQL APIs

Softtek, Mexico City - *Line 3 Support Specialist*
APRIL 2016 - AUGUST 2019

- Technologies Used: Linux, Shell, Scripting, ITIL, Six Sigma
- Solved line 3 support tickets for Mitel's employees.
- Achieved 100% elimination of service backlog and exceeded SLA targets through process improvements using ITIL and Six Sigma methodologies.
- Documented recurring processes to facilitate the seamless onboarding of new team members.

Codix, Mexico City - *Business Analyst QA*
APRIL 2015 - APRIL 2016

- Technologies Used: QA Testing Tools, SQL, Business Process Analysis
- Tested daily business scenarios and created new test cases.
- Worked collaboratively with the development team to resolve all reported application issues.
- Authored and reviewed over 20 use cases and test scenarios for software testing.

Softtek, Mexico City - *Software Developer Intern*
APRIL 2013 - APRIL 2015

- Technologies Used: C#, SQL, ASP.NET, JavaScript, jQuery, HTML, CSS
- Gained hands-on experience in C#, SQL, ASP.NET, jQuery, JavaScript, HTML, and CSS during a 3-month training program.
- Maintained and upgraded client applications, ensuring smooth operations.
- Balanced academic excellence with professional work in a fast paced environment.

EDUCATION

Algonquin College, Ottawa - *Diploma in Internet Applications and Web Development*
SEPTEMBER 2019 - APRIL 2021

Universidad del Valle de México, Mexico City - *Bachelor's in Computer Systems Engineering*
SEPTEMBER 2010 - JUNE 2014

COURSES AND TRAINING

- **AWS Cloud Practitioner (CLF-C01)** – Softtek / Devtalles

- **Docker & Containers**

- **Node.js Backend Development (Udemy)**

- **React, Next.js, Vue, Nuxt (Udemy)**

- **Flutter & Dart (Advanced)**

- **Oracle Certified Java SE6** *(Not actively used)*

- **Game Dev / RxJS / Figma / Python Projects (Coursera & Udemy)**

PUBLIC TEACHING & CONTENT CREATION

- Instructor of threePython courses on Udemy (in Spanish), reaching over 110 students since January 2025.

- Host of a YouTube channel on Python programming and software development with practical tutorials and shorts. [YouTube Channel](#)