

RICARDO ARIEL LEIJA RODRÍGUEZ

Robotics and Digital Systems Engineer

México | ricardoleija.com | rickylejia2@gmail.com | [GitHub](#) | [LinkedIn](#) | +52 (844) 342-2687

PROFILE

Robotics and Digital Systems Engineer with over 4 years of experience in software development, combining academic knowledge and hands-on industry expertise. Proficient in Python and JavaScript, with a strong passion for creating innovative solutions in the tech industry. Open to remote work and eager to contribute to cutting-edge projects.

WORK EXPERIENCE

FuzzyFlags - Tech Lead Monterrey, Nuevo León, México | Sep 2023 - Sep 2024

- Managed production-focused development and QA teams of 10 members, ensuring efficient workflows and high-quality deliverables.
- Oversaw the creation of web applications tailored for business needs, aligning with production goals.
- Conducted comprehensive code reviews across the company's codebase to maintain standards and support scalable production solutions.

Tesla Inc - Wireless Software QA and Automation Intern Palo Alto, California, USA | Oct 2022 - Aug 2023

- Firmware QA/Validation for WiFi, Bluetooth and Cellular systems in both new product developments and existing platforms.
- Test automation framework stability & reliability improvements.
- Made improvements to tests in all the technologies (WiFi, Bluetooth, Cellular) across different platforms.
- Test development for functional, regression, stress and performance testing.
- Created automation libraries to be utilized internally within the company.
- Achieved a reduction in engineering time by approximately 11,500 minutes through automation advancements.

CEI - Full-stack engineer Remote | Jan 2022 - Jun 2022

- Enhanced functionality and resolved issues on the organization's air quality website for the state of Nuevo León, both front and backend.
- Conducted code reviews for the team pull requests on GitHub to ensure code quality and maintain best practices.

CREmx - Frontend developer Remote | Jun 2021 - Aug 2021

- Redesigned and created several webpages with guidance provided by the UI/UX designer using HTML and CSS.

TECHNICAL SKILLS

Operating systems

- Windows, MacOS, Linux, WSL2

Tools

- Jira & Confluence, Git & GitHub, Jenkins

Skills

- Bash and Python scripting
- Data structures and algorithms

Full stack development

- Frontend:** React, Next.js, Javascript, Typescript, HTML, CSS
- Backend:** Python (Django, FastAPI), Node.js (Express.js)
- Styling:** Bootstrap, Tailwind CSS
- Databases:** (MySQL, PostgreSQL, SQLite)
- Cloud & Deployment:** AWS (S3), DigitalOcean

Testing & Automation

- Pytest (Automation testing for software/firmware)
- Quality Assurance principles

SOFT SKILLS

- Leadership & Teamwork
- Critical Thinking & Problem Solving
- Adaptability & Fast Learning
- Effective Communication
- Patience & Persistence

LANGUAGES

- Spanish**
 - Native
- English**
 - C1, Proficient

EDUCATION

Monterrey Institute of Technology and Higher Education
B.S. in *Robotics and Digital Systems*

📍 Monterrey, Nuevo León, México
📅 August 2019 - December 2023

Don Bosco Technological Institute
Mechatronics Technician

📍 Saltillo, Coahuila, México
📅 August 2016 - June 2019