

# Alex Marín Quesada

Information Systems Engineer

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## PROFILE SUMMARY

Information Systems Engineer specializing in Intelligent Automation, Power Platform, RPA, AI, and Full-Stack Development. Experienced in designing scalable automation solutions, optimizing business processes, and developing applications with Python, FastAPI, Java, React, Next.js, Kotlin, and AWS, with a strong focus on AI and modern software architecture.

## EXPERIENCE

### • Emerson

January 2026 – Present

Automation Developer Intern

- Built and maintained business applications with **Power Apps** for the CSS LAM Team, replacing spreadsheet- and email-based workflows with centralized, user-friendly solutions.
- Designed and implemented end-to-end workflow automations using **Power Automate** and **Power Automate Desktop**, integrating multiple data sources and reducing manual processing time by approximately **60%**.
- Developed **Microsoft Copilot agents** to automate routine business operations, assist users with daily tasks, and improve process efficiency.
- Designed and maintained **Power BI** dashboards, creating data models and interactive visualizations that provide real-time financial and operational insights for business stakeholders.

## EDUCATION

### • Universidad Nacional de Costa Rica

2022 - June 2026

Bachelor of Information Systems Engineering

### • Universidad Nacional de Costa Rica

2022 - 2024

Diploma in Software Application Development

## PROJECTS

### • Sistema Integrador - Municipalidad de Flores

February 2024 - May 2025

Tools: FastAPI, React.js, MySQL, SharePoint, Active Directory, Alembic

- Built a web-based request management system for the municipality using **Scrum**, with a **Python/FastAPI** backend and **TypeScript/React.js** frontend, structured so new request types could be added without changing the core logic.
- Served as **Scrum Master**, running sprint planning, daily stand-ups, reviews, and retrospectives for the development team.
- Integrated **SharePoint** and **Active Directory** via REST APIs so staff could log in and exchange data without a separate account for the system.

### • OportuNIA – AI Interview Training App

February 2025 - June 2025

Tools: Kotlin, Jetpack Compose, PostgreSQL, OpenAPI, AWS, Docker

- Built a mobile app that runs simulated job interviews and gives students feedback on their answers, based on **AI** evaluation.
- Built backend services with **Kotlin** and **PostgreSQL**, deployed with **Docker** on **AWS** (EC2, S3).
- Added AI-based résumé analysis to flag gaps between a student's résumé and the role they were practicing for.

## SKILLS

- **Languages:** Spanish (Native), English (B2)
- **Programming & Scripting:** C++, Python, Java, Kotlin, JavaScript, TypeScript
- **Web Technologies:** HTML, CSS, React.js, FastAPI, Chakra UI, Bootstrap
- **Database Systems:** MySQL, Oracle Database, PostgreSQL
- **Cloud & DevOps:** Azure, Docker, Kubernetes, Jenkins, Azure Data Lake, AWS
- **Other Tools:** Power Platform, Figma, Git, Postman, Open API