

LUIGI GIACOMIN

Senior Full-Stack Engineer | React & Python | Automation Engineer

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SUMMARY

Detail-oriented Full-Stack Engineer with 6+ years of experience building test frameworks, integrating automated test suites into CI/CD pipelines, and leading regression validation in enterprise SaaS environments. Adept at designing Python-based automation tools, managing end-to-end QA for API-driven and data-heavy platforms, and collaborating cross-functionally to drive software quality and release confidence. Strong foundation in scripting, REST API testing, Linux, and cloud-native test orchestration.

EXPERIENCE

QFA Automation Software Developer

Moody's

05/2024 - Current

📍 Remote, United States

Developed modular QA workflows to validate financial model outputs against expected benchmarks

Built reusable Python scripts to trigger jobs, monitor execution state, download logs, and compare results

Automated regression comparisons using internal file diff logic and structured validation reports

Managed test data preparation, input versioning, and results parsing across Linux-based CI agents

Software Developer

HoneyGrid

03/2023 - 01/2024

📍 Remote, United States

Designed lightweight UI and backend tools to assist QA in visualizing system state and performing deep diffs

Automated backend validation steps using Python and Postman API test cases to simulate business use cases

Participated in daily QA syncs, triaged bugs, and worked closely with analysts to recreate edge case scenarios

Software Engineer

Emerson

04/2022 - 09/2023

📍 Costa Rica

Built Python + Bash test routines for validating sensor input consistency and output predictions

Project Engineer

SOATI

01/2020 - 04/2022

📍 Costa Rica

Applied data cleansing and schema validation procedures to ensure consistent control flows in industrial automation systems.

LANGUAGES

Spanish: Native

English: Native

EDUCATION

Masters in AI for business

LEAD University

Expected 2025

Bachelor of Science in Mechatronics

Instituto Tecnológico de Costa Rica

2014 - 2020

International Baccalaureate

British School of Costa Rica

2013

SKILLS

Languages & Scripting: Python, JavaScript, Bash, TypeScript, C#, SQL, PHP

AI/NLP Libraries: LangChain, SpaCy, Transformers (HF), OpenAI API, Scikit-learn

Frontend: React, Next.js, Material UI, Tailwind, Jest, React Testing Library

Backend: Spring Boot, Python (FastAPI, Flask), Node.js

DevOps/Infra: GitHub Actions, Docker, AWS

Other Tools: REST APIs, Docker, Postman, Agile / Scrum, Git

CERTIFICATIONS

Atlassian Agile Project Management Professional Certificate

Atlassian - 2024

React Fundamentals

EpicReactDev by Kent C. Dodds - 2023

Career Essentials in Software Development

LinkedIn - 2022

PASSIONS

Coding Challenges

Love solving complex problems and challenges through coding.

Team Collaboration

Adept at working with diverse teams.