

FELIPE DIOGO

Lisbon – Portugal

☎ +351 928 381 366 ✉ felipe.g.diogo@gmail.com [in](#) [Linkedin](#) [G](#) [Github](#) [G](#) [Personal Website](#)

Summary

Automation Specialist with 5+ years of experience building end-to-end automation systems, from event-driven pipelines, AI integrations, process automations to production web apps and cloud-connected data architectures. Strong Python and JS/TS background, with hands-on experience in n8n, make, REST APIs, and low-code/pro-code solutions. Also comfortable on the full-stack side, building and shipping SaaS products with Next.js, React, and Node.js when the work calls for it. Used to owning full dev cycles solo: requirements, architecture, deployment, and iteration. An engineering foundation gives me a practical edge when building systems that need to be both reliable and production-ready. I deeply integrate AI across my workflow, from the tools I use daily to the automation systems that I design. I'm a fast learner, I pick up new stacks and technologies quickly and put them to work without losing time. Self-driven, genuinely curious, and always keeping up with what's new.

Technical Skills

Automation & Workflows: n8n, Make, Zapier, Node.js, Node-RED, REST/Webhook APIs, event-driven pipelines, Power Automate

AI & GenAI: AI APIs, Claude Code, AI Agents, prompt engineering, LLM workflow integration, AI-augmented monitoring, Copilot-style tooling, Azure OpenAI (familiar)

Languages: Python, JavaScript / TypeScript, Bash, HTML/CSS, SQL, rust (basic)

Backend & APIs: Node.js, Express.js, FastAPI, REST, WebSockets, Supabase Edge Functions

Data & Observability: InfluxDB (time-series), PostgreSQL, Grafana, Power BI, pandas, ETL, data pipeline design

Cloud & Infra: Linux / VPS deployment, Git / GitHub, GitHub Actions (CI/CD), Docker, AWS, Vercel, Nginx, Raspberry Pi, Jetson Nano

Dev & Low-Code Tools: VS Code, Cursor, Replit, JIRA, Scrum / Kanban, system architecture, technical documentation

Protocols & IoT: MQTT, OPC-UA, Modbus, SCADA, embedded systems, Industry 4.0

Experience

Personal Projects

2024 – Present

Full-Stack Developer & Automation Engineer

Lisbon, Portugal

- Built a social media automation pipeline using n8n and Make that generates posts from predefined topics, routes approval via Telegram, and auto-publishes to LinkedIn on confirmation.
- Developed a Python data pipeline for automated ingestion, transformation, and reporting, pulling from REST APIs, processing with pandas, and persisting to PostgreSQL on a schedule.
- Architected Julius, an AI-powered personal finance PWA (Next.js 15, Supabase, OpenAI API) where an AI agent extracts, categorizes, and persists financial entries from natural language input.

Founder & Lead IT Automation Engineer

Jun 2025 – Present

Movewertech Technologies (Startup)

Lisbon, Portugal

- Architected and deployed a production IoT monitoring platform using MQTT, Node-RED, InfluxDB, and Grafana, with an AI layer that generates actionable insights from raw sensor streams via REST APIs and webhooks.
- Built a Python REST API for data ingestion and processing; containerized the full infrastructure with Docker, deployed on a Linux VPS with CI/CD via GitHub Actions, and served the production frontend on Vercel.
- Designed end-to-end automation workflows connecting edge devices (Raspberry Pi) to cloud dashboards, covering ingestion, processing, real-time alerting, and AI-driven reporting.
- Built and maintained technical documentation including architecture diagrams, process flows, and user guides for all deployed automations.
- Sole technical owner across the full development lifecycle: requirements → architecture → deployment → iteration.

Automation Executive Manager / Engineering Team Lead

Jun 2024 – Jun 2025

Psyche AeroSpace (Startup)

São Paulo, Brazil

- Developed internal automation workflows using Python, Node.js, and low-code tools to streamline operations and improve team efficiency.
- Managed a cross-functional team of 5 engineers using Scrum/Kanban on JIRA, coordinating multi-project delivery on time and within budget.

- Translated complex operational requirements into technical user stories, functional workflows, and automation logic, bridging business stakeholders and engineering execution.

Automation Engineer

Controvale (Automation Company)

Jun 2018 – Jun 2024

São Paulo, Brazil

- Developed and deployed industrial automation systems with IoT, SCADA, and data-flow integrations – building deep expertise in end-to-end process automation and system integration.
- Executed full project cycles: system design, programming (Python, structured text), testing, troubleshooting, and client-facing technical documentation and handover.

Projects

Linkdin Post Automation | *n8n, Make, JavaScript, Process Automation, AI Integration, AI Agent*

Feb. 2026

- Social media automation pipeline using n8n and Make, generates posts based on predefined topics, routes approval requests to the user via Telegram, and publishes to LinkedIn upon confirmation. [Click here to check it](#)

Julius – AI Personal Finance SaaS | *Next.js 15, TypeScript, Supabase, OpenAI API, PWA*

Jan. 2026

- Mobile-first PWA where users input expenses in natural language via an AI agent (OpenAI API); the agent extracts vendor, amount, category and date, then auto-logs entries to Supabase (PostgreSQL + Edge Functions). Includes per-user accounts, spending dashboard with interactive charts filtered by category/period, and app settings. Best experience in Smartphones (currently only in Portuguese). [Click here to test it](#)

AI Data Platform | *Python, Node-RED, MQTT, InfluxDB, Docker, REST API, AI Integration*

Dec. 2025

- Production IoT monitoring platform: edge node (Raspberry Pi) ingests field signals via MQTT → InfluxDB time-series → AI-generated natural-language insights via custom REST API. Containerized with Docker, self-hosted on VPS. [Click here to check it](#)

Education

Federal Institute of São Paulo

Bachelor of Control and Automation Engineering

Jan 2019 – Dec 2023

São José dos Campos, Brazil

Programming & Software Development

freeCodeCamp · One Bit Code · Self-directed study

2022 – Present

800+ hours

Languages

Portuguese: Native **English:** C1