

# Guilherme de M. C. Costa

Fullstack Developer · TypeScript · Java · React · Spring Boot · Atibaia, SP – Brazil  
echina725@gmail.com · (55) 11 94994-0557 · [linkedin.com/in/guilherme-de-morais-china-costa-03b23b268](https://linkedin.com/in/guilherme-de-morais-china-costa-03b23b268) ·  
[github.com/guilhermec-costa](https://github.com/guilhermec-costa) · [guilhermec-costa-portfolio.netlify.app](https://guilhermec-costa-portfolio.netlify.app)

## PROFESSIONAL SUMMARY

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Fullstack Developer focused on TypeScript and Java, with solid experience in React, Spring Boot, and the Cloudflare ecosystem. Currently working on an AI SaaS product, with a background in industrial automation and data analysis. Highlights include architectural contributions — framework decoupling, modular cache systems, workflow engines, and centralized authorization. Committed to code quality, testing culture, and building scalable, observable software.

## SKILLS & TECHNOLOGIES

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**Languages:** TypeScript, Java, Python, C++, Lua, SQL

**Frontend:** React, TailwindCSS, Shadcn/ui, Vite, TanStack Tools

**Backend:** Spring Boot, NestJS, Node.js, Hono, Fastify, Cloudflare Workers

**Cloud & Infra:** AWS (SQS, S3, Lambda), Cloudflare (R2, KV, Durable Objects, Queues, Hyperdrive, AI Gateway)

**Databases:** PostgreSQL, Supabase, Oracle, MySQL

**Tools:** Git, Docker, Selenium, Plotly, Pandas, NumPy, Streamlit

**Practices:** Clean Architecture, Design Patterns, TDD, Code Review, CI/CD, Agile/Scrum

## WORK EXPERIENCE

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### Software Developer

Mr. Turing

Apr 2025 – Present · Remote

Full-time

- Full-stack development on an AI SaaS product using Cloudflare Workers, Hono, Supabase, and React.
- Refactored the logging system and redesigned the storage module (R2), introducing observability, traceability, and an extensible architecture with multi-provider support.
- Built a decoupled, modular cache system based on Cloudflare KV and implemented an internal workflow engine for process orchestration and complex automations.
- Decoupled the Hono framework via adapters and created a centralized policy system, increasing testability, flexibility, and consistent authorization across the application.
- Built multi-LLM applications integrating different language model providers via AI Gateway.
- Strengthened a culture of unit and integration testing, continuously improving code quality.

### Fullstack Developer Intern

Elevaty

Jan 2023 – Mar 2025 · Remote

Internship

- Maintained and evolved features for a customer card management system using React and Node.js.
- Built workflow configuration software from scratch for a multi-channel notification system (email, SMS, WhatsApp) using Spring Boot, React, PostgreSQL, and AWS SQS.
- Provided support to the Customer Success team, developing product and user experience awareness.
- Led the initiative to adopt a culture of automated testing within the engineering team.

### Technical Administrative Assistant

Constanta Industrial Ltda.

Sep 2022 – Dec 2023 · Jarinu,

SP

On-site

- Built real-time dashboards to monitor 260,000 IoT devices, improving service quality by 40%.
- Developed graphical interfaces in Python integrated with REST APIs for data analysis and reporting.
- Automated tasks with Python: email automation, Office 365 integration (Excel, Word), and web automation with Selenium.
- Managed ETL pipelines using MySQL and PostgreSQL and performed data analysis with Pandas, NumPy, and Plotly.
- Identified strategic LoRa network gateway installation sites to enhance signal quality.

## FEATURED PROJECTS

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**code-telescope** ★ 31 · TypeScript · VS Code Extension API

A Telescope.nvim-inspired fuzzy finder for VS Code, bringing keyboard-first navigation to the entire workflow. Search files, symbols, commands, and more without leaving the keyboard. Open source with active community traction.

**Workflow Notification Scheduler** · Spring Boot · PostgreSQL · React · AWS (SQS, Lambda)

A workflow orchestration system for scheduling and managing notifications via email, SMS, and WhatsApp, with an intuitive dashboard for monitoring and configuration.

**SLA – Real-Time IoT Monitoring** · Python · Streamlit · Pandas · Plotly · MySQL

Web application for monitoring service quality and IoT devices via interactive 3D dashboards, with network improvement simulation and predictive analysis.

## EDUCATION

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**Bachelor's Degree in Software Engineering**

Oct 2023 – Present

Instituto INFNET — Rio de Janeiro, RJ

**Technologist (Incomplete) in Data Science**

Jan 2023 – Sep 2023

FIAP — São Paulo, SP

## CERTIFICATIONS & COURSES

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AWS Certified Cloud Practitioner CLF-C02 · Amazon Web Services

2025

AIMO – Asia International Mathematical Olympiad Union · AIMO

2020

Mathématiques Sans Frontières · International Competition

2018

Python for Automation and Data Analysis · Hashtag Treinamentos

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C++ Programming – From Beginner to Beyond · Udemy

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## LANGUAGES

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**Portuguese:** Native · **English:** Intermediate (advanced technical reading, writing and conversation)