

# Fabio Oliveira Costa

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<https://github.com/drFabio>

## ABOUT ME

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I am a polyglot developer with over 21 years of experience, my main stack is Javascript-based with **TypeScript**, **React**, **AWS**, **CDK**, **Cypress**, and **Jest**. I've been on several stacks in the past such as **PHP**, **Python**, and **Java** ones. I see languages as tools and not as an end in themselves.

I've been working as a Tech Lead since 2023, but have been in lead-like positions for a while. Overall, I see myself as a force multiplier.

Hope we can make great things together!

## PROFESSIONAL EXPERIENCE

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### Staff Engineer

*Taxdoo*

January 2025 – Present

*Hamburg, Germany [Remote]*

- Created a series of AI workflows for safe refactoring using **Claude**.
- Working on a tax based system with several languages (**PHP**, **Python**, **Node**, **Go**, and **Java**) in an effort to migrate them to a single **TypeScript** and **React** code-base.
- Aggressively optimized the **GitLab** pipeline with caches, conditional testing, merge trains and parallelization cutting from 20 minutes per run to just 2 on the optimal path.
- Handled **AWS CDK** infrastructure for both **monolith** and **microservice** architectures.
- Created a QA testing approach for safe and quick development using **Jest**, **Cypress**, **storybook** and **Chromatic**
- Mentored a senior helping him achieve his potential on his own terms, we developed a **Supabase** powered internal tool, and migrated a Java legacy project.

### Tech Lead

*Zolar (Solar energy)*

February 2023 – January 2025

*Berlin, Germany [Remote]*

- Had 4 direct reports on a team of 6, with over 50 stakeholders across 4 different domains.
- Developed systems using **TypeScript**, **NestJS**, **React**, **CSS**, **Node.js**, **AWS**, **CDK** and **Cypress**.
- Designed end to end systems for supply chain and warehouse management allowing 95% of our orders to go through without human intervention.
- Crafted SalesForce and marketing integrations for seamless client communication and GDPR workflows, allowing us to switch tools reducing or monthly expenditure .
- Designed integration systems to connect off-the-shelf systems with third party vendors using over 9 different protocols and communication styles.
- Improved deployment pipelines company wide by 90%.
- Conducted several interview processes making automated interviews a first step in quickly vetoing candidates, Saving time to veto a candidate from 2 weeks to 1 day.

### Senior Full-stack Engineer

*VISI/ONE (Automotive IoT)*

September 2022 – February 2023

*Berlin, Germany [Remote]*

- Contributed to a very old and legacy code-base with **JavaScript** and **PostgreSQL**.
- Took a designer role on the modernization strategy and execution of the reformed code-base.

<b>Senior Full-stack Engineer</b> <i>heyday (Human resources [Impacted by layoffs])</i>	October 2021 – September 2022 Berlin, Germany [Remote]
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- Empowered a team of 3 exceptionally good developers working with **Nest.JS**, **Next**, **Terraform**, **Kubernetes**, **AWS**, **Cypress** and **Jest**.
- Helped create a full-stack employee benefit platform.
- Worked on invoice systems and automated paying systems making manual process that took 3 days take seconds.
- Produced tax automations and tax calculators to help employers offer the best for their employees.
- Crafted mobile-first solution for the employee benefit apps.
- Maintained our kubernetes clusters using terraform keeping our AWS bill low and our availability high.

<b>Lead Backend Developer</b> <i>ThinxNet [Now Ryd] (Automotive IoT)</i>	December 2020 – September 2021 Munich, Germany [Remote]
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- Managed a team of 4 amazing developers on our **Nest.js**, **PostgreSQL** microservices solution.
- Worked on multiple points of sale integrations with a wide range of communications protocols.
- Created a code generation for integrations cutting integration times from 3 months to 2 weeks.

<b>Senior Consultant</b> <i>Concept Reply (Automotive IoT)</i>	September 2019 – December 2020 Munich, Germany [Remote]
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- Led a rotating team of talented developers on industrial IoT projects.
- Worked mainly on an **Opc-UA**, **MQTT**, **TypeScript** industrial systems management platform.
- Due to my polyglot background consulted on several ongoing projects with **Python**, **Java** and **TypeScript**.

<b>Lead FullStack Developer</b> <i>Workerbase (Industrial IoT)</i>	May 2018 – August 2019 Munich, Germany
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- Coded a full-stack app-builder for industrial processes using **MQTT**, **Node.js**, **React** and **OPC-UA**
- Made a **E2E** test infrastructure using **jest**, **testcontainers** and **Cypress**

<b>Senior FullStack Developer</b> <i>Tanaza (Cloud and WiFi Management)</i>	August 2016 – May 2018 Milan, Italy [Remote]
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- Worked on the system WiFi using **React**, **GraphQL**, **PostgreSQL**, **TypeScript**, **Apollo** and **express**
- Made a corporate and public WiFi editor that was both easy to use and flexible to build

<b>Freelancer / Employed</b> <i>Miscellaneous</i>	February 2004 – August 2016 Several countries
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- Consulted on several projects for an Ireland based team augmentation company
- Implemented an application tracking system that created a Brazilian startup
- Created several multimedia projects such as teaching platforms, web radios, online gambling and remote video services
- Team Lead with 3 direct reports handling all technology aspects of a Music branding business
- Create a C++ DRM system that allowed a business to have licensed music on disk that could be played back in realtime

## EDUCATION

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<b>Federal university of the ABC region</b> <i>B.Sc. Computer Science</i>	Santo André, Brazil 2009 - 2016
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<b>Technical school Jorge Street</b> <i>Technical degree - Mechatronics</i>	São Caetano do Sul, Brazil 2005 – 2006
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## VOLUNTEER WORK

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- **ReDI school of Digital Integration** - Spring 2020 - **Java** teacher
- **ReDI school of Digital Integration** - Fall 2019 - **Java** teacher
- **Free code camp - São Paulo** - 2018/2019 - Community manager.

## SKILLS

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**Languages:** Portuguese (native), English (C2) and German (A2)

**Methodologies:** Scrum, Kanban, XP and other Agile frameworks