

Felipe Jardim Grandi Cotti

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PROFESSIONAL SUMMARY

Software engineer with 9 years of experience building backend, desktop and developer-platform systems with **.NET/C#**. Most recently I was at Elastic, building its documentation platform with infrastructure based on **AWS (S3, CloudFront, SQS, Lambda)** provisioned with **Terraform**, shipping tooling and **GitHub Actions** workflows used daily by writers and developers. Earlier work spans from services and APIs to cross-platform libraries and end-to-end desktop applications, with **Oracle** and **Microsoft SQL Server** databases.

SKILLS

Languages: C# (*main*), XAML, JavaScript, TypeScript, HTML, CSS, YAML

Infrastructure: AWS (CloudFront, S3, SQS, Lambda), Terraform, GitHub Actions

Frameworks: .NET (*main*), Native AOT, .NET Framework, ASP.NET, ASP.NET Core, EF Core, Entity Framework, WPF, Avalonia, React

Libraries: xUnit, Moq, Swagger, OpenAPI, MediatR, SpecFlow, Selenium

Databases: Oracle, SQL Server

Techniques: CI/CD, Clean Code, SOLID, Clean Architecture, MVVM, Design Patterns, REST, Scrum, Agile

Dev Tools: Git, GitLab, GitHub, Jira, puppet-deploy, Bash, Docker, Liquibase, WiX Toolset, Visual Studio, Visual Studio Code, Rider

AI Tools: Cursor, Claude Code, Codex, Gemini, GitHub Copilot

Spoken Languages: Portuguese (Brazil) - Native, English - Fluent

WORK EXPERIENCE

Software Engineer II | Elastic

Mar 2025 – Aug 2026

Remote – Belo Horizonte, MG, Brazil

- **Built the foundations** for Elastic's company-wide unified release notes system on docs-builder (**C#, .NET, CI/CD with GitHub Actions**). It covered the rendering directive that supports build-local and CDN content, CI workflows for changelogs and changelog bundles, **AWS S3** buckets and **CloudFront** access to the content, a **SQS Lambda** for scrubbing private data and syncing registries, and CLI commands for further customization.
- **Expanded docs-builder's redirect model** with cross-repository and per-anchor targets, and CI validation for moved and deleted pages, preventing invalid redirect definitions from breaking documentation assembly and saving time for documentation authors.
- **Separately shipped support for CDN-level redirects** on Elastic docs, using **Terraform**-defined **CloudFront KeyValueStore** HTTP redirects. The publish workflow verifies and syncs everything, mitigating 404s when documentation moves and improving SEO.
- **Implemented product versioning UX/DX:** Configuration files, UI elements using **React and TypeScript**, and parsing for version applicability tagging, allowing writers to specify complex versioning rules often required for large products.
- **Performed several improvements for the Elastic Docs website, applied hardening strategies** to reusable GitHub Actions workflows, researched and resolved issues on legacy documentation tooling, and fixed bugs in close collaboration with the documentation team.

- **Led development** of a custom, high-performance Data Compliance **Avalonia** desktop app, easy to install and use. Reduced scan times on network drives by over 60% compared to previous solution.
- **Overhauled a custom SIP client** from .NET Framework to a cross-platform .NET version, expanding deployment possibilities and improving performance.
- **Implemented a .NET solution** for handling and deletion of over 10 million profiles in a complex **SQL** schema in a service heavily integrated with **AWS**, reducing database storage costs and strain.
- **Created a cross-platform desktop system tray application** for internal SIP client, easy to install and use, allowing for flexibility in deployment.
- **Devised test step definitions and object handlers** using **SpecFlow** and **Selenium**, improving test quality and throughput.
- **Performed development, improvements and debugging** of **.NET (Framework/Core)** libraries and **WPF** applications.
- **Developed unit tests** using **xUnit** and **Moq**, drastically improving reliability and code coverage from below 20% to over 80%.

Mid-level Developer | *Arbeit*

May 2021 – Sep 2022
Remote – Belo Horizonte, MG, Brazil

- **Reworked and extended Swagger/OpenAPI** support on the existing ASP.NET Core WebAPI, improving developer and QA experiences and workflows.
- **Projected and introduced REST API endpoints** on multiple projects, providing detailed documentation.
- **Contributed to the refactoring multiple modules** of a monolithic solution into microservices, opening the path for cloud-based architecture options.
- **Investigated and debugged** issues on all software layers, providing detailed feedback and support.

Junior Developer | *Arbeit*

May 2017 – May 2021
Belo Horizonte, MG, Brazil

- **Introduced features and improvements** on 3 **WPF** desktop applications and their **C++** backends, aligned to best practices, **MVVM** architecture and **SOLID**.
- **Produced database operations** - views, stored procedures, table creation and updates, using **Oracle PL/SQL** and their **C++** and **C#** drivers, always following essential security practices.
- **Defined multiple API endpoints and corresponding UIs** using **Angular** and **TypeScript**, closely following design specifications and requesting feedback.

EDUCATION

Information Systems Bachelor (incomplete) | *PUC Minas - São Gabriel*

2010 – 2011
Belo Horizonte, MG, Brazil