

# Filipe Teixeira Amaral

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## **Summary**

Full-Stack Engineer with nearly a decade of experience building SaaS platforms in healthcare, fintech, and insurance. I deliver end-to-end product features—from GraphQL APIs and compliance-driven systems to modern React frontends and high-performance data pipelines.

I've built care plan modules, prior authorization workflows, real-time pricing engines with multi-vendor integrations, and wealth management platforms. I focus on scalable architecture, regulatory compliance, and the development of reliable systems.

Tech: Python, TypeScript, Django, FastAPI, NestJS, React, Next.js, GraphQL, PostgreSQL, DynamoDB, AWS, Terraform

<b><u>Experience</u></b>	
<b>Senior Software Engineer</b> DrChrono <ul style="list-style-type: none"> <li>Led ONC HTI-1 and USCDI v3 certification compliance, implementing provenance tracking and persistent ID versioning for 15+ clinical resource types</li> <li>Built Care Plan module end-to-end: GraphQL schema, React frontend with drawers/modals, care team management, and audit logging</li> <li>Developed SMART on FHIR integration platform with management dashboard and JWT authentication</li> <li>Implemented annual MIPS/eCQM quality measure updates (2022-2025) and QRDA exports for Cypress certification</li> <li>Optimized bulk C-CDA export system—resolved race conditions, added performance improvements for large practices</li> <li>Built asynchronous C-CDA export API and contributed to React Calendar rebuild</li> </ul>	August 2021 - Present
<b>Senior Software Engineer</b> DevStride <ul style="list-style-type: none"> <li>Building a full-stack wealth management platform using NestJS, Next.js, and TypeScript in a Turborepo monorepo</li> <li>Architected type-safe API client infrastructure with OpenAPI auto-generation and TanStack Query integration</li> <li>Established CI/CD pipeline, unified linting configs, and developer tooling across the monorepo</li> </ul>	November 2025 - Present
<b>Senior Software Engineer</b> Surton <ul style="list-style-type: none"> <li>Built FastAPI backend for pharmaceutical pricing platform, integrating multiple claims processor vendors (Optum, RxLogic, Cervey, MedOne) for real-time drug price comparison</li> <li>Implemented DynamoDB caching layer and transaction tracking for high-throughput price lookups</li> <li>Managed AWS infrastructure (Terraform), including EventBridge triggers and SQS queues</li> </ul>	August 2024 - March 2025
<b>Senior Software Engineer</b> Tomorrow Health <ul style="list-style-type: none"> <li>Built Prior Authorization Request system end-to-end: GraphQL backend (Python/Django) and React frontend with tables, drawers, and timeline components</li> <li>Implemented PA cover sheet generation, Title XIX (Medicaid) form integration, and fax submission workflow</li> <li>Extended insurer data model with state-specific prior authorization configurations</li> </ul>	December 2023 - June 2024
<b>Back End Developer</b> Rise Financial <ul style="list-style-type: none"> <li>Restructured backend architecture in Django and integrated with Very Good Security for PCI compliance</li> <li>Secured credit card data handling and enhanced system scalability</li> </ul>	July 2022 - November 2022
<b>Senior Software Engineer</b> BriteCore <ul style="list-style-type: none"> <li>Replaced legacy insurance system with modular components using Python, Django, Flask, and VueJS on AWS</li> <li>Developed serverless authentication service for 50+ insurance companies</li> <li>Supported clients by proposing features and resolving bugs</li> </ul>	August 2017 - June 2021
<b>Frontend Engineer</b> localhost.company <ul style="list-style-type: none"> <li>Maintained and supported applications built in Angular 1.5 and AngularJS</li> </ul>	June 2016 - July 2017
<b>Software Engineer</b> Universidade Federal de Sao Joao del-Rei – São João del Rei, Brazil	April 2014 - June 2016
<b><u>Education</u></b>	
<b>Bachelor of Science, Computer Science</b> Universidade Federal de São João del-Rei	2016

## **Languages**

English (Professional Working)

Portuguese (Native)