

Daniel Elias Fonseca Rumin

Backend Developer | Java • Spring Boot • Node.js • TypeScript

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SUMMARY

Backend developer with a Bachelor's degree in Computer Science from UNOESTE, Brazil. Experience building systems with Java/Spring Boot, Micronaut and Node.js/TypeScript for e-commerce and tax compliance, credit and payments, and healthcare operations. Work spans relational data modeling, multi-tenant isolation, JWT authentication, real-time updates and integrations with external payment, credit-analysis and tax-document providers. Additional frontend experience with React.

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, SQL • academic use: Python, C/C++, C#

Backend: Spring Boot, Spring Security, Spring Data JPA, Micronaut, Node.js, Express, Prisma, REST APIs, JWT, Server-Sent Events, OpenAPI

Frontend: React, Vite, HTML, CSS

Databases: PostgreSQL, Redis, migrations with Flyway and Liquibase • academic use: MySQL, Oracle, MongoDB

Infrastructure & testing: Docker, Azure, AWS SES, Git, Linux, Jest, Testcontainers

AI & computer vision: Keras, TensorFlow, convolutional neural networks for image segmentation (U-Net, VGG, ResNet)

PROFESSIONAL EXPERIENCE

Backend Developer

Jan 2026 – Oct 2026

Bring E-commerce

Multi-tenant e-commerce and tax management platform for online retailers: catalog, inventory, marketplace orders, tax documents and financials, with three applications on top of the same API (ERP, admin panel and B2B ordering portal).

- Designed and evolved the relational schema, with dozens of entities and versioned migrations.
- Implemented mandatory per-company multi-tenant isolation on every business query, alongside permission-based access control.
- Built the tax module: issuing, cancellation, correction letters, returns and import of inbound invoices through external providers.
- Built inventory and costing flows: stock movements, balances, job-based reconciliation and reports on sales, results and stock valuation.

Tech stack: Node.js, Express, TypeScript, Prisma, PostgreSQL, Redis, React, Docker

Full Stack Developer Intern

Jan 2025 – Dec 2025

Bring E-commerce • SecBank project

SecBank: credit platform that lets customers split bank slips (boletos) into credit card installments, made up of a marketing site with a loan simulator, a React customer portal and a Micronaut API.

- Implemented JWT authentication with refresh tokens in HttpOnly cookies, password recovery by email and session handling across different domains.
- Built the multi-step sign-up, proposal submission with attached documents and the integration with a credit-analysis API used by the simulator.
- Implemented bank-slip installments on credit cards: barcode and typed-line parsing, card and installment selection and payment gateway integration.
- Built card management with brand detection, abandoned-cart tracking, transactional emails via AWS SES and database migrations with Flyway.

Tech stack: Java, Micronaut, PostgreSQL, Flyway, JWT, AWS SES, React, TypeScript, Docker

PROFESSIONAL PROJECTS

Built in 2026 for another company; company and client names withheld for confidentiality.

Ambulance regulation and dispatch platform

2026

Backend serving three profiles (patient, nursing team and ambulance crew): triage queue, video consultation and prioritized routing of critical cases.

- JWT authentication with refresh tokens, roles and fine-grained per-route permissions; queues with concurrency control, manual prioritization and expiration and presence jobs.
- Real-time queue updates over Server-Sent Events and integration with a cloud communication service for video calls and archiving of recordings.

Tech stack: Java 21, Spring Boot, Spring Data JPA, PostgreSQL, SSE, Azure, Docker

Medication management and procurement system

2026

Replaces a spreadsheet-based process: anticipates the need for recurring medication from the treatment schedule and tracks quotation, purchase and delivery.

- Domain modeling (treatments, applications, needs, quotations and purchases) and a treatment schedule with cascading rescheduling and automatic deadline recalculation.
- Multi-round supplier quotation through integration with an external automation service, and import of the official medication price table with barcode reconciliation.

Tech stack: Java 21, Spring Boot, Spring Security, PostgreSQL, OpenAPI, Docker

CRM and service management system (paused at the foundation stage)

2026

- Multi-tenant foundation with per-company isolation applied automatically by the ORM, and a service state machine with SLA policy and transfers between departments.
- Versioned migrations with Liquibase and integration tests with Testcontainers against a real database.

Tech stack: Java 21, Spring Boot, PostgreSQL, Liquibase, Testcontainers

EDUCATION

Bachelor's Degree in Computer Science

2021 – 2025

Universidade do Oeste Paulista (UNOESTE) — FIPP, Presidente Prudente, SP, Brazil

Thesis: Environmental monitoring for the detection of wildfires in vegetation areas using satellite imagery.

- Semantic segmentation of Landsat-8 satellite imagery to detect active fires and burned areas, comparing three architectures (U-Net, VGG-UNet and ResNet-UNet), with the NBR and NDVI spectral indices as extra input channels.
- Best result on active fires: ResNet-UNet with 87.00% IoU and 92.71% F1-score (validation set).

Tech stack: Python, Keras

Other academic projects (GitHub): C# compiler with lexical and syntactic analysis using a top-down predictive parser; multilayer perceptron (MLP) built from scratch in JavaScript; graph algorithms in Java with a JavaFX interface; in-memory and external sorting of binary files with threads in Java.

Electrical and Electronics Technician (1,500-hour program)

2019 – 2020

SENAI Santo Paschoal Crepaldi technical school

VOLUNTEERING

Volunteer Artificial Intelligence Instructor

2024 and 2025

Infoeste — course week

- AI course for students of ETEC technical schools in the Presidente Prudente region: 30 students in 2024 (team of 4 instructors) and 50 students in 2025 (2 instructors).
- Topics: AI fundamentals, chatbots and object recognition with Python, TensorFlow and Keras in Google Colab; course material published on GitHub.

LANGUAGES

Portuguese: native

German: fluent — lived and studied in Switzerland from 2015 to 2017

English: advanced