

Felipe Martins Bueno

Fullstack Developer | Backend, Data & Integrations

Curitiba, PR, Brazil (UTC-3) | Open to remote and relocation
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SUMMARY

Fullstack developer in a Brazilian software consultancy, delivering end-to-end products for external clients in TypeScript (NestJS, Node.js, React/Next.js) and Python (Django, FastAPI, Airflow), with hands-on work on database performance, system integration and AWS.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Rust, SQL, C#
Backend & APIs: NestJS, Node.js, Express, Django, Django REST Framework, FastAPI, REST APIs, GraphQL, webhooks
Frontend: React, Next.js, TanStack Start, TanStack Query, TanStack Router, Angular, Tailwind CSS, Zod, React Hook Form
Data: PostgreSQL, SQL Server, Oracle, MariaDB, MongoDB, Redis, Apache Airflow, ETL/ELT, Metabase, Power BI
Cloud & DevOps: AWS (Lambda, EC2, S3, SQS, SNS, SES, DynamoDB, ElastiCache), Azure Functions, Docker, Terraform, Ansible, GitHub Actions, CI/CD, Git, Linux, Nginx, uWSGI
Testing & Observability: Jest, Vitest, Supertest, Playwright, Grafana, Prometheus, Sentry, k6
Practices: SDLC, Git Flow, code review, TDD, spec-driven development, technical documentation, LGPD/GDPR-style data handling

PROFESSIONAL EXPERIENCE

Software Engineer, Pilgrims Consulting

Curitiba, PR, Brazil | July 2025 to present

- Delivered end-to-end features across client products using React, Next.js and TanStack Start on the frontend and NestJS, Node.js and Django on the backend, and built internal AI-agent workflows for operational support.
- Audited the RabbitMQ broker and found 2,426 messages queued with no consumer, and 876,870 of 974,237 balance rows unrefreshed for more than a week, showing a full load the team believed had run had not.
- Made dock-slot booking safe under concurrency using database-level locking, so simultaneous bookings cannot exceed a dock daily volume limit.
- Owned end-to-end diagnosis and fix of a quotation screen on an internal platform listing 40,000+ quotations against 1M+ line items: cut response time from 92s to approximately 0.8s, dropped screen abandonment from 88% to 10% and reduced performance-related support tickets by 95%.
- Traced that bottleneck across the ORM, the database and the application server, removing N+1 queries, adding missing indexes, rewriting filters that blocked index usage, and introducing pagination and Redis caching.
- Retail client (12 stores plus e-commerce): diagnosed the chain between ERP and portal after months of distrusted margin figures, separating four independent failures that were being treated as a single problem, among them a job stopped for 28 consecutive days with no alarm in place.
- Identified the real cause of the zeroed margins: cost records written days late made the margin calculation discard the whole transaction, while the day stayed marked as processed and was never reprocessed.
- Built a Python ETL converting carrier freight tables into a marketplace required schema, designed so that adding a carrier means adding a file. Reverse-engineered an undocumented carrier pricing formula from an approved reference sheet, resolving all 2,860 routes and generating 20,020 validated rows, covered by 70 automated tests.
- Built 60+ Airflow DAGs and refactored a set of 140+ existing pipelines over SAP, TOTVS and Winthor ERP sources, adding retries, atomicity safeguards, connection controls and query optimization, feeding Metabase, Superset and Power BI dashboards.
- Designed and rolled out the SDLC model for a 4-developer team: Git Flow, code review standards, spec-driven development, TDD, PR-gated CI/CD with automated deploys and versioned backups, and documentation practices.

Compensation & Benefits Intern, Paraná Banco S/A

Curitiba, PR, Brazil | September 2022 to June 2023

- Automated reporting routines with SQL Server, Python, Power BI and Excel, reducing one recurring execution from 8 hours to 10 minutes and saving 40+ hours per cycle.
- Improved benefits controls and onboarding validation, reducing operational errors by 90%.

Planning & Control Intern, Straumann Group

Curitiba, PR, Brazil | February 2022 to September 2022

- Automated data synchronization between Senior ERP and SAP HCM for 1,600+ employees, cutting manual work by 60% and saving 20+ hours per week.

PROJECTS

stealth-reader | github.com/fe-m-bueno/cli-stealth-reader-v2

Full-screen terminal book reader in Rust: EPUB, CBZ and PDF parsing, Ratatui TUI and a persistent SQLite library.
Rewrite of a Node.js implementation behind a compatibility contract, opening the same database with no migration. Cut startup from 339ms to 0.9ms and peak memory from 157MB to 15MB, verified by golden-fixture parity tests and benchmarks; 5-crate workspace with a domain core isolated from I/O, and multi-platform releases via GitHub Actions.

Bookclubinho | bookclub.felipe-bueno.com · github.com/fe-m-bueno/bookclubinho

Fullstack book club platform with real-time chat and secure authentication.
Next.js, FastAPI, PostgreSQL, Redis, OAuth2, magic links and row-level security; CI/CD deployment to Vercel and Render.

EDUCATION

Pontifícia Universidade Católica do Paraná (PUCPR), Associate Degree in Systems Analysis and Development

Curitiba, PR, Brazil | April 2025 to November 2027 (expected)

Universidade Federal do Paraná (UFPR), Bachelor's Degree in Business Administration

Curitiba, PR, Brazil | January 2019 to September 2023

CERTIFICATIONS

- Apache Airflow 3 Fundamentals, Astronomer (2025) | Python Data Science, DataCamp | 500+ hours of software engineering coursework, Frontend Masters

LANGUAGES

Portuguese: Native | English: Advanced (C1) | Spanish: Professional working proficiency