

Vinícius Martins Pedro

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Fullstack developer with 3+ years building RESTful APIs, event-driven services and production web applications. Backend work in Python (FastAPI, SQLAlchemy) and Node.js/TypeScript (NestJS, Express), with React and Vue on the front end. Comfortable across messaging systems (Kafka), relational and graph databases (PostgreSQL, Neo4j) and containerized environments. Applies SOLID, Clean Code and design patterns with a consistent focus on performance, data integrity and application security.

Experience

VEXUR

- Ensured full consistency and scalability in report generation, eliminating concurrency bottlenecks at peak hours by migrating a legacy schedule-based architecture to an asynchronous queue-based model with Kafka.
- Improved health insurance system performance by 42% through query refinement and graph modeling in Neo4j.
- Expanded platform billing volume by integrating the charging system with FAB (Brazilian Air Force) payroll deductions, cutting manual reconciliation time via automated processing of positional files.
- Increased new-user conversion with an end-to-end redesign of the plan sales flow, covering both front-end architecture and back-end business logic.
- Built the new accounting module end to end (dynamic screens and business rules), anticipating OpenFinance readiness and ensuring structural compliance of financial data.
- Reduced reported vulnerabilities by 60% by applying security practices in Node.js/TypeScript (JWT authentication, NestJS Guards, Helmet).

Tech: Vue, Node.js, TypeScript, NestJS, TypeORM, Neo4j, Docker, Kafka.

CLICK2GO

- Delivered white-label solutions in Python and React, serving 12+ active clients with tailored customizations.
- Improved user retention by 18% through responsive, scalable applications.
- Refactored an MVP and raised registration completion rate by 22%, introducing robust back-end validation with Pydantic schemas at the API boundary.
- Reduced average API response time by 35% through query tuning, caching and payload reduction.

Tech: Python, FastAPI, SQLAlchemy, PostgreSQL, React, Next.js, TypeScript, Tailwind CSS, Docker.

Education

Technical High School | Electromechanical Technician - 2017/2021 - IFPR

Technology in Systems Analysis and Development - 2024/2026 - PUCPR