

Pedro Trotta ,

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PROFILE

Software Development Professional with solid experience in the technology and innovation sector. Specialist in Front-end development, focusing on creating scalable and customized solutions to optimize business processes.

EXPERIENCE

COMPANY: Globoo (<https://globoo.io>)

Role: **Tech Leader & Sênior Software Engineer**

02/2025 - Still

- Leading the architecture and development of Globoo's digital banking platform, ensuring scalability, security, and regulatory compliance across financial services.
- Spearheaded the implementation of robust KYC, AML, and transactional fraud prevention features, enhancing platform trust and user safety.
- Designed and deployed modular services for core banking operations, including digital wallet, escrow systems, and crypto-fiat integrations.
- Mentored a cross-functional team of developers and designers, fostering a high-performance, agile development culture aligned with business goals.
- Integrated payment gateways, real-time transaction monitoring, and user analytics dashboards to support strategic product decisions.
- Led DevOps efforts to streamline CI/CD pipelines with Kubernetes and Docker, reducing deployment friction and improving delivery speed by over 40%.
- Coordinated cross-team collaboration to launch DeFi and tokenization features on the platform, boosting user engagement and product adoption.

COMPANY: Milliark Investments (<https://www.milliark.com>)

- Spearheaded the development of scalable and high-performance enterprise solutions, ensuring security, efficiency, and full compliance with industry regulations.
- Worked closely with multidisciplinary teams, including UI/UX designers, back-end developers, and DevOps engineers, to craft seamless, intuitive, and user-friendly applications.
- Engineered and maintained a modular, component-based architecture using cutting-edge front-end frameworks, enhancing development efficiency, maintainability, and scalability.
- Implemented automated CI/CD pipelines with Docker and Kubernetes, significantly reducing deployment times and accelerating the software release cycle by 35%.
- Integrated real-time data streaming solutions, facilitating efficient processing of high-frequency financial transactions and analytics for improved decision-making.
- Optimized front-end performance by applying code-splitting, lazy loading, caching mechanisms, and progressive enhancements, ensuring fast-loading and responsive user experiences.
- Developed robust and scalable full-stack applications leveraging React, Node.js, and MongoDB, improving operational efficiency and digital transformation strategies.
- Designed and implemented fully responsive and accessibility-compliant UI components, enhancing user engagement, boosting customer retention, and driving digital innovation.

COMPANY: Bella Parmegiana (<https://bellarestaurante.com.br>)

- **Process Automation:** Developed internal systems for order management and inventory control using JavaScript and Node.js, resulting in a 30% reduction in operational errors.
- **Delivery System Integration:** Successfully integrated delivery platforms with the restaurant management system, optimizing online orders and increasing sales by 25%.
- **Data Management:** Designed and implemented custom dashboards with React and MongoDB for performance analysis and financial control, enabling faster and more informed decision-making.
- **Customer Service Optimization:** Implemented self-service solutions with QR Codes, accelerating order processing and reducing customer wait time by 40%.

- Enhancement of Digital Strategies: Contributed to the development of marketing campaigns, integrating automated lead generation systems.

COMPANY: Aldax Distribuidora (<https://www.aldaxdistribuidora.com.br>)

Role: Front-End Engineer

01/2023 - 01/2024

- Synchronized over 500 daily e-commerce orders with ERP systems using RabbitMQ, TypeScript, Express, and Google Cloud Platform, ensuring seamless data integration and operational efficiency.
- Collaborated with clients and internal teams, proposing and implementing 20+ enhancements, bug fixes, and new features, increasing process efficiency by up to 25%. Technologies used: JavaScript, React, Next.js, Cloud Functions, Firestore, Cloud Storage, Cloud Run, and Cloud Scheduler.
- Reduced cloud costs by 15% through code performance optimizations, improved database queries, and strategic indexing, enhancing system efficiency. Additionally, eliminated 3,000+ lines of redundant code, significantly reducing development time for new features.
- Implemented automated testing (Jest, Cypress) with 60% coverage, minimizing production bugs and ensuring a more stable and reliable system.

COMPANY: Partido dos Trabalhadores (PT 13) (www.belabarros.com)

Role: Front-End Júnior

01/2022 - 01/2023

- Assisted in developing web pages, logos, and social media assets for a political party, focusing on high-conversion design strategies to optimize voter engagement.
- Executed large-scale paid traffic campaigns, creating 300+ ad campaigns aimed at generating new leads and increasing voter conversion rates for candidates.
- Provided on-site support, personally attending and accompanying the political party during interviews and public meetings, gaining deep insights into the political landscape and voter interactions.
- Designed and developed large-scale UI/UX landing pages for partner companies, ensuring visually appealing, conversion-driven digital experiences.

EDUCATION

Software Engineering – UCDB (Universidade Católica Dom Bosco) (2021)

COURSES & CERTIFICATIONS

- Programming Languages – Harvard University Online Course (2020) Certified Scrum Master (CSM) – Scrum
- Alliance (2021) Microsoft Power BI Data Analyst
- Microsoft Learn (2022) Full Stack Web Development - Rocketseat (2022)
- Master Software Development – Udemy (2023)
- Java Backend – Udemy (2023)
- C# - Finland Tech Stack (2024 ~ 2025)

LANGUAGES

- English (Native)
- Spanish (Conversational)

KNOWLEDGE & EXPERTISE

Programming Languages

- Proficient in functional and object-oriented programming paradigms Experience with asynchronous programming, event-driven architectures, and design patterns
- JavaScript (Main)
- TypeScript,
- Python,
- SQL,
- Java,
- PHP,
- C#, C++

Databases & Storage

- SQL: PostgreSQL, MySQL, SQL Server, SQLite NoSQL: MongoDB, Firebase Firestore, Redis, DynamoDB ORM & Query Builders: Prisma, Sequelize, TypeORM

Cloud & DevOps

- **Cloud Platforms:** AWS (EC2, S3, Lambda, RDS), Google Cloud, Firebase, Heroku Containerization & Deployment: Docker, Kubernetes, CI/CD with GitHub Actions, Jenkins Infrastructure as Code (IaC): Terraform, CloudFormation
- **✓ Full-Stack Development:** Expertise in building robust, end-to-end applications integrating modern frontend frameworks with scalable backend systems.
- **✓ API Architecture & Integration:** Proficient in designing and consuming RESTful and GraphQL APIs for seamless service communication and third-party integrations.
- **✓ Cloud-Native Microservices & Serverless Architectures:** Experience designing modular, distributed systems optimized for scalability, maintainability, and fault tolerance.
- **✓ Agile & DevOps Methodologies:** Skilled in Scrum, Kanban, and CI/CD best practices, with hands-on experience using Docker, Kubernetes, and automated deployment pipelines.
- **✓ Process Automation & Workflow Optimization:** Led automation initiatives that reduced manual overhead, improved operational efficiency, and accelerated delivery cycles.
- **✓ High-Performance & Scalable System Design:** Built resilient systems capable of handling high-throughput banking and financial operations under strict performance constraints.
- **✓ Data-Driven Decision Making:** Applied data analysis and reporting strategies to support strategic product decisions and business intelligence.
- **✓ Cybersecurity & Secure Development Practices:** Implemented secure coding standards, encryption protocols, and compliance with industry regulations (e.g., PCI-DSS, GDPR, LGPD).

