

# 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.

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## EXPERIENCE

### COMPANY: Axia Digital Solutions (<https://axiadigitalsolutions.com>)

Role: Sênior Software Engineer 10/2025 - Present

- Architected and developed scalable digital banking and fintech solutions using Angular and TypeScript within a multi-client platform architecture, serving diverse financial ecosystems including internet banking, crypto integrations, and BaaS providers.
- Led the design and implementation of modular, white-label front-end applications supporting multiple client environments (Tokeniza, Dillianz, Globoo), ensuring seamless customization and brand consistency across products.
- Engineered complex multi-step signup and onboarding flows with integrated KYC/IDWall verification, feature flag management, and dynamic form validation, improving user conversion rates and compliance workflows.
- Spearheaded the unification of shared UI components across product lines, reducing code duplication by 40% and accelerating feature delivery through a centralized component library.
- Implemented and maintained CI/CD pipelines with Docker, automating build, test, and deployment processes across development, homolog, and production environments.
- Collaborated with cross-functional teams including back-end developers, designers, and DevOps engineers to deliver end-to-end digital solutions aligned with business goals and regulatory requirements.
- Managed development environment configurations including VPN connectivity (WireGuard), API Gateway integrations with HashiCorp Vault, and containerized services using Docker Compose and Redis.
- Drove technical decision-making and mentored junior developers, fostering best practices in code quality, testing, and agile development methodologies.

### COMPANY: Globoo (<https://gloobo.io>)

Role: Tech Leader & Sênior Software Engineer 02/2025 - 10/2025

- Led 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>)

*Role: Sênior Software Engineer 06/2024 - 01/2025*

- 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>)**

*Role: Software Engineer 01/2024 - 06/2024*

- 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. 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) (<https://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.
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## EDUCATION

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

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## 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)

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## LANGUAGES

English (Native)

Spanish (Conversational)

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## 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).