

Ivo Martins Fernandes

Systems Analyst | Full-Stack Developer

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PROFESSIONAL SUMMARY

Systems Analyst with solid experience in software development and technical support. Expertise in requirements analysis, database modeling, systems integration, and application troubleshooting in production environments. Hands-on experience with Full Stack development (React, Next.js, Node.js, NestJS), RESTful APIs, SaaS systems, and scalable architectures. Proficient in environment configuration, Active Directory, remote access via SSH, and critical infrastructure problem resolution. Versatile technical profile with ability to work in development, analysis, documentation, and IT support.

PROFESSIONAL EXPERIENCE

PlayerCore

Full-Stack Development Intern | 2025

- End-to-end development of recurring PIX billing system with multi-tenancy architecture, webhooks, asynchronous processing (Bull/Redis), and financial metrics monitoring (MRR, Churn)
- Requirements analysis and relational database modeling (PostgreSQL) focused on referential integrity and SQL query optimization
- Complete visual refactoring of main platform (Retain) using PrimeReact, establishing responsive design system and interface standards
- N2 technical support for critical production issue troubleshooting, log analysis, development/staging environment configuration, and AWS infrastructure problem resolution
- Technical documentation of APIs, integration flows, and operational procedures for internal teams

Octa

Full-Stack Development Intern | 2024

- Complete development of NeoFaceID SDK (facial biometry and document capture) published on NPM, including liveness logic, modal interfaces, and administrative portal integration
 - Full-stack development of Tasker from frontend (Next.js, React, TypeScript) to backend (Supabase, PostgreSQL, API Routes), including schema creation, custom endpoints, email automation (SendGrid), and gamification system with interactive dashboards
 - Implementation of critical modules in iHandz (SaaS Retail): POS, checkout, service order management, and subscription funnel structure
 - Autonomy in layout and interface design decisions based on prototypes, complete documentation of implemented features, participation in weekly planning sessions and dailies with technical feedback. Internal problem identification and troubleshooting with structured communication through management
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TECHNICAL STACK

Database: PostgreSQL, MySQL, MongoDB, Data Modeling, SQL Optimization, Stored Procedures

Technical Support & Infrastructure: Active Directory, Windows Server, Troubleshooting, Environment Configuration, Log Analysis, SSH, Network Maintenance

Full-Stack Development: React, Next.js, TypeScript, Node.js, NestJS, JavaScript ES6+

Integration & APIs: RESTful APIs, Webhooks, Systems Integration (ERP/TMS/WMS), Socket.io, JWT

DevOps & Cloud: Docker, AWS (S3, RDS), CI/CD (GitHub Actions), Vercel, Production Monitoring

Methodologies & Management: Scrum, Kanban, Jira, Trello, YouTrack, Slack, Project Management

Security: LGPD (Brazilian GDPR), Information Security Best Practices, Authentication and Authorization

Tools: Git, GitHub, Postman, Swagger, n8n (Automation), Google Workspace

FEATURED PROJECTS

EventCore (2025) — [View project](#)

SaaS ecosystem for operational management for event production companies with external portal and administrative system. Inventory management via QR Code, team allocation, availability control, and strategic budgeting.

Stack: Next.js 15, TypeScript, Turborepo, Prisma, PostgreSQL, Tailwind CSS

EmbalaFest (2025) — [View project](#)

Complete commercial management system for packaging and party supplies stores. Sales control, inventory management, cash control, and PDF report generation.

Stack: Next.js, TypeScript, Tailwind CSS, Node.js, Express, MongoDB

EDUCATION

Associate Degree in Systems Analysis and Development

UNIASSELVI | 2024 – 2026 | GPA: 9.47/10.0 (72% completed)

Main courses completed:

- **Analysis & Design:** Software Engineering (9.9), Object-Oriented Analysis (10.0), Human-Computer Interaction (in progress)
- **Database:** Modeling and Administration (9.1), Database Project (10.0)
- **Infrastructure:** IT Security (10.0), Computer Networks (9.6), Distributed Systems (9.3)
- **Management:** Project Management (in progress)

Full-Stack Web Development

Geração Tech / IEL / Ceará Government | 2024 | 192 hours

Front-end (HTML5, CSS3, JavaScript ES6+, ReactJS) and Back-end (Node.js, Express, Databases)

CERTIFICATIONS

- ReactJS 18 with TypeScript from Zero to Professional + Projects — GRF Cursos (2024)
Complete development of modern applications with React 18 and TypeScript
- Artificial Intelligence for Education: Enhancing Methods and Tools — IEPRO/UECE (2025)
Fundamental AI concepts, pedagogical automation, and algorithmic literacy
- Artificial Intelligence for Creative Studies — IEPRO/UECE (2025)
AI fundamentals, computational thinking, and applied AI tools

PROFESSIONAL COMPETENCIES

- Requirements analysis and translation of business needs into technical specifications
- Systems, APIs, and operational process documentation
- Effective communication with technical and non-technical stakeholders
- Complex problem solving with analytical approach
- Collaborative work in multidisciplinary teams (remote and on-site)

LANGUAGES

English — Intermediate (B1/B2): Voxy English Proficiency Certification. Reading technical documentation and professional communication

Spanish — Intermediate (A2/B1): IFRS Español Nivel 1 Certification. Comprehension and communication in everyday contexts