

Sérgio Félix

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[Portfolio Website](#)

EXPERIENCE

Basicamente Digital

Mar 2022 – Aug 2022

Frontend Developer & UI/UX Designer, Intern

- Redesigned the company website to enhance UI & UX, seeking sales increase.
- Developed the website using React ecosystem, ensuring modern web technologies.
- Achieved 90+ SEO score using Google Lighthouse optimization techniques.

Risema

Feb 2019 – Apr 2019

Network Technician, Intern

- I assisted in maintaining the network architecture of affiliated companies.
- I did a case study by developing a ransomware in C++ for my professional aptitude exam.

Risema

Feb 2018 – Apr 2018

Computer Technician, Intern

- Responsible for building and maintaining computers for clients and affiliated companies.

EDUCATION

Higher School of Technology and Management - IPP

Sep 2022 – Aug 2025

Bachelor's Degree in Computer Science and Engineering

Agile Methodologies, Algorithms, Artificial Intelligence, Code Optimization, Concurrency & Parallelism, Data Structures, Databases, Distributed Systems, Data Warehousing, ERP's, Information Systems, Memory Management, Multithreading, Object-Oriented Programming, Operating Systems, Python, Sockets, Software Architecture, Software Design Patterns, Software Engineering.

Higher School of Technology and Management - IPP

Sep 2020 – Aug 2022

Higher Professional Technician Diploma in Development for the Web and Mobile Devices

Angular.js, Data Structures, Databases, Distributed Systems, Functional Programming, Ionic, Java, JavaScript, MongoDB, Node.js, Object-Oriented Programming, PHP, React.js, SQL, Software Engineering, Swift, TypeScript, UI/UX.

Secondary School of Felgueiras

Sep 2017 – Aug 2020

Professional Certification in Management and Programming of Computer Systems

.NET, Bootstrap, C, CSS, Databases, Data Structures, Functional Programming, HTML, JavaScript, jQuery, Object-Oriented Programming, Pascal, PHP, SQL.

PROJECTS

Cinemaster

Jul 2024 – Present

Personal, Full stack development

A **monolithic application** for **cinema ticket purchasing** developed with a **monorepo**. Features include movie browsing, session management, **real-time seat availability**, ticket sales (**Stripe payment**), PDF ticket generation, multi-language support, developed in **Nest.js** with **OAuth2.0** and credentials authentication with **session-based authentication** using **Redis**. The application also includes **role-based access control (RBAC)**, full CRUD operations, and a graphical interface developed with **React.js**, aiming ambitiously **mobile application**, integration with **POS systems**, food and drink ordering along with ticket purchase, **real-time reporting & analytics**, and **CRM integration**, with **scalability to microservices** if necessary. Strong focus on delivering an MVP as soon as possible.

Organizational Information Systems

Apr 2024 – Jul 2024

Academic, Full stack development

A **Decision Support System (DSS) application** developed in **Next.js (T3 Stack)** with **OAuth2.0 authentication**, data parsing from SAFT (.xml) files, and **file upload**. The data undergoes normalization (3NF), validation, transformation, loading into a **relational database** (1st ETL), then is made a **denormalization for performance**, some queries, and aggregations to generate the surrogate keys and the respective values to store in the **star schema database** (2nd ETL). This way, the application provides users with a **dashboard for decision-making** on stock, sales, etc...

Pulse Connect

Oct 2023 – Jan 2024

Academic, Frontend development

Social networking application enabling the **import of contacts/friends** from existing platforms (e.g., **Facebook, Twitter, Instagram**), user connections like Tinder, **real-time messaging**, notification system, **OAuth2.0** and **token-based authentication (JWT)**, among other generic functionalities.