

# LUÍS FONSECA

Full Stack Developer



## About Me

Full Stack Engineer with over 10 years of experience in developing high-performance web applications. Specialized in the Node.js ecosystem, with strong expertise in both relational and non-relational databases. Proven track record in architecting scalable APIs and managing server environments, with a focus on delivering clean code and efficient solutions for the Logistics and FinTech sectors.

## Contact

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Figueira da Foz, Portugal

## Soft Skills

- Remote Team Collaboration
- Problem Solving & Critical Thinking
- Adaptability & Continuous Learning
- Time Management (Deadlines)
- Agile Mindset (Scrum)

## Language

Portuguese English



## Experience

### Full Stack Developer

#### 7Skin

2023 – Present

My responsibilities include developing critical features and migrating legacy code. This is achieved through the strategic optimization of cloud services on AWS and the updating of backend and frontend processes (using technologies such as Node.js, NestJS, TypeScript, Docker, PHP, and Laravel). I work under Agile methodologies, actively collaborating with remote teams to ensure an efficient continuous delivery cycle and guaranteeing the quality of the developed features. I use tools such as GitLab and Docker, aligned with business needs.

### Full Stack Developer

#### YNB Agency - Grupo JAF

2020 – 2023

Software development specialist with a focus on robust architectures in Node.js, Express, React, and MySQL. I possess extensive experience in managing the complete project lifecycle (SDLC). I have led infrastructure modernization through orchestration with Kubernetes and optimization of services on AWS (such as EC2, S3, and RDS). I also have experience in software development in highly available and scalable environments.

### Backend Developer

#### Imaginary Cloud

2019 – 2020

As a Backend Developer, I was responsible for ensuring the scalability and high availability of a Node.js and MySQL production environment. I played a key role in optimizing system reliability by implementing a MySQL NDB Cluster, which eliminated single points of failure and improved data redundancy. Beyond addressing critical technical debt and bug fixing, I translated client requirements into high-performance backend features, significantly enhancing the overall system architecture.

### Full Stack Developer

#### Venture Planet

2018 – 2019

As a developer and senior Full Stack manager, I led the end-to-end development of Bioplatform, a robust solution geared towards B2B and B2C markets. I was responsible for managing the project lifecycle, from defining requirements to implementing complex e-commerce flows and data management, using the PHP, Laravel, and MySQL technology stack.

## Skills

- **Languages:**
  - Javascript (ES6+)
  - Node.JS
  - HTML5
  - CSS3
  - PHP
- **Frameworks:**
  - ExpressJS
  - NestJS
  - Next.JS
  - Bootstrap
  - React
- **Databases:**
  - MongoDB
  - MySQL
  - SQL Server
- **DevOps & Tools:**
  - Docker
  - Grafana
  - Loki
  - Prometheus
  - Git
  - Server Management
  - AWS (EC2, S3, RDS)
  - Kubernetes (K8)
- **Methodologies:**
  - Agile
  - Scrum
  - Kanban

# LUÍS FONSECA

## Full Stack Developer

## Experience

### Full Stack Developer

#### Freelancer

2015 – Present

Delivered over 50 custom solutions, including desktop applications and complex web platforms. I use Wordpress for a quick build or a custom solution in Node.js, NestJS, React, Mysql.

### Full Stack & Mobile Developer

#### iDo Tech

2016 - 2018

As an Android Developer, I was responsible for porting the Gesfrot ecosystem to mobile platforms, developing native Java applications. The main focus was on robust integration with WebAPIs for real-time data synchronization and the implementation of complex fleet management functionalities, ensuring that the experience and business logic of the original product were optimized for the performance and usability of the mobile environment.

### Full Stack Developer

#### RCSOft

2015 - 2016

As a Software Developer in the Telecommunications sector, I worked on the evolutionary maintenance and modernization of critical billing and ERP systems. My central role consisted of optimizing and correcting functionalities in the Litigation system, acting as a technological bridge between legacy VB6 modules and new .NET (C#) implementations. Through the development of WebAPIs, I ensured data integrity and the continuous integration of new modules, guaranteeing that the client's complex business rules were preserved and improved.

### Web Developer

#### COMSOFTWEB

2010 - 2015

As a Software Developer at Comsoftweb, I was responsible for the entire development cycle of customized solutions integrated into the Eticadata ERP system. My role ranged from gathering requirements from clients and data modeling to development in C# and VB.NET. Additionally, I expanded the company's technological offering by creating customized PHP plugins for WordPress, ensuring seamless integration between web platforms and enterprise management systems.

## Education

### Polytechnic Institute of Coimbra

2005 - 2008

Degree in computer engineering

## Personal Interests

- Cycling and Gym
- 3D printing and rapid prototyping
- DIY projects and home fabrication
- Equipment repair and troubleshooting