

# MOISÉS F. RAMALHO

Full Stack Developer, Programmer Analyst, Webmaster, Maker.

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## ABOUT

Full Stack Developer and Programmer analyst for about 11 years, some more years of experience in other areas of the IT universe and a whole life "handling computers".

One of my interests it's Technology, in general, and Information Technologies in particular, with a special focus on the IoT (Internet of Things) for a time, creating from scratch my own IoT cloud server and testing the technologies. In the past years I've also become a Laser Cutting & Engraving and a 3D Printing enthusiast.

Tailored and costumized applications, Backend, Frontend, Systems Integration, API Development and Webmastering have been mostly the challenges of my professional work as a Full Stack Developer.

## EDUCATION

### Computer Science - Bachelor's degree

Escola Superior de Gestão e Tecnologia de Santarém  
2011 - 2014

### Network Technician - Network installation and administration

Instituto Superior de Línguas e Administração - Santarém  
2008 - 2010

## LICENSES & CERTIFICATIONS

### e-Tutoring & Moodle

Conclusão - Estudos e Formação  
Nº 3421/2016  
Oct 2016 - No expiration date

### Tutoring Certification (Certificado de Competências Pedagógicas)

Megaexpansão, Ensino e Formação Profissional em Novas Tecnologias  
Nº 574426/2011  
May 2011 - No expiration date

### CISCO Certificate of Course Completion - Fundamentals of Wireless LAN's

Cisco Networking Academy, ISLA Santarém  
Nov 2009 - Nov 2012

### CISCO Certificate of Course Completion - CCNA 4 WAN Technologies

Cisco Networking Academy, ISLA Santarém  
Jun 2009 – Jun 2012

**CISCO Certificate of Course Completion – CCNA 3 Switching Basics and Intermediate Routing**

Cisco Networking Academy, ISLA Santarém  
May 2009 – May 2012

**CISCO Certificate of Course Completion – CCNA 2 Router and Routing Basics**

Cisco Networking Academy, ISLA Santarém  
Apr 2009 – Apr 2012

**CISCO Certificate of Course Completion – CCNA 1 Networking Basics**

Cisco Networking Academy, ISLA Santarém  
Feb 2009 – Feb 2012

**EXPERIENCE**

**Programmer Analyst, Software/Web Full Stack Developer**

SVTI, Lda  
Benedita, Portugal  
Freelance & Remote  
Feb 2021 – Apr 2025

Outsourced full-stack development – Libera – Real-time ERP with Ordering, Production, Packaging and Shippment management Integrated with SAGE POS.

SAGE POS Integration

API development

Wordpress Development and Webmastering.

PrestaShop Development and Webmastering.

Node.js   Sails.js   Javascript   html   css   PWA   Backend   Frontend   PrestaShop   Wordpress

**API Developer**

Nutsoft  
Santarém, Portugal  
Freelance & Remote.  
May 2022 – Dec 2023

API development

POS Integration

WinRest   Zone Soft   Glovo   Uber   Squareup   Just Eat   Deliveroo   Revo   Ágora Restaurant

**Full Stack Developer, Webmaster, IT Consulting**

Institute for Strategic Clarity  
New Hampshire, U.S.A.

Freelance and Remote.  
Nov 2017 – Jun 2020

Full-stack development  
Webmastering

IT Consulting

Node.js   Sails.js   Javascript   html   css   PWA   Backend   Frontend

**Full Stack Developer, Webmaster, IT Consulting**

Freelance  
Jan 2017

Full-stack development  
Webmastering

IT Consulting

Node.js   Sails.js   Javascript   html   css   PWA   Backend   Frontend   API Development   MQTT   IoT   Arduino   Raspberry Pi  
Linux   Ubuntu   Raspbian   3D Printing   Laser Cutting & Engraving

**Programmer Analyst, Software/Web Full Stack Developer**

Nutsoft  
Santarém, Portugal  
Full-time On-premises & Remote.  
Oct 2014 – Dec 2016

Full-stack development

Node.js   Sails.js   Javascript   html   css   PWA   Backend   Frontend   API Development   MQTT   IoT   Arduino   Raspberry Pi  
Linux   Ubuntu

**Software/Web Developer, IT Consultant, IT Support, IT Technician, Systems Analyst, Network Technician**

Freelance  
Mar 2011 – Oct 2014

**IT Support, Network Technician**

IT Support technician, hardware maintenance, Helpdesk, Network installation and administration, Systems installation and maintenance (Server and Client).  
Template – Sistemas Informáticos e Formação, Lda.  
Rio Maior, Portugal  
Mar 2010 – Feb 2011

**SKILLS**

The most relevant, some more sharp and "fresh" and others acquired over time.

NodeJS      SailsJS      JavaScript      HTML      CSS      PWA      Bootstrap      mySQL      MongoDB      REST  
Docker      Kubernetes      Linux      Linux ARM      Raspbian      Ubuntu      Raspberry Pi      Arduino      MQTT      PrestaShop  
Wordpress      Google Cloud Platform      Application Programming Interfaces (API's)      Ionic      MQTT      Webmastering      3D  
Printing      Laser Cutting & Engraving

WORKS

My Projects

Moisés F. Ramalho

moises-ramalho.com

e-CV and presentation single page website.

Full Stack Development    HTML    CSS    JavaScript    Google Cloud Services    PWA

AppMenu

AppMenu

Digital Menu for Restaurants, Bars and Cafés. Real-time Menu and Orders management. Scan QR Code with your smartphone camera and access the Menu. No app required.

Full Stack Development    Node.js    Sails.js    HTML    CSS    JavaScript    Google Cloud Services    mySQL    PWA

IoTopia.io

Where there's a thing, there's a way

IoT (Internet of Things) platform for Hobbyists, Makers, Professionals and Enterprises. From DIY Domotic to Industrial or Agricultural Production, from "Smart Houses" to "Smart Cities".

Created to manage your devices, home-made automations or micro-controllers with sensors and actuators. Control and optimize your home or production based on real-time data.

Code editor with Auto-Sketch in One-Click with selected components and with instant and costumizable graphic interfaces. Program tasks for your Things, manage and code them with ease, manage your Sketches or simply use it as a Cloud IoT Hub for your data.

Full Stack Development    NodeJS    SailsJS    JavaScript    HTML    CSS    jQuery    mySQL    MongoDB    MVC    MQTT    Websockets  
Python    C / C++    Arduino    Arduino OTA    ESP    Node MCU    Raspberry Pi    Linux    Windows    Ubuntu    Ubuntu ARM    Raspbian  
PlatformIO    Facebook API    Twitter API    Google API    LinkedIn API    MailGun API    GitHub API    GitLab API    BitBucket API    MEO Remote  
KODI API    Jointspace API    OctoPrint API    ONVIF    IP Cameras    Google Analytics    Google Cloud Services

Artesanato Digital

Because an object can be much more

Single page site dedicated to 3D Printing services.  
Lithophanes, prototypes, practical, technical, advertising or decorative pieces.

- Site :

Full Stack Development    Bootstrap    JavaScript    HTML    CSS    Google Cloud Services    PWA

- **3d Printing :**

[Cura](#) [Marlin](#) [Arduino IDE](#) [Meshmixer](#) [OpenSCAD](#) [OrangePi](#) [OctoPrint](#)

## **Cosmic Shoes™**

Art in Leather

Online store based on PrestaShop open source e-Commerce software.

Handcraft in eco-friendly leather made by a family member.

Shoes, boots, sandals, wallets, belts and other fashion accessories.

Classic models with a twist and made with Love.

[Webmastering](#) [PrestaShop](#) [PHP](#) [CSS](#) [mysql](#) [PayPal API](#) [Google Cloud Services](#)

## **Oficina Tempo dos Sonhos**

Art in Leather

Online store based on PrestaShop open source e-Commerce software.

Offline - The company rebranded to Cosmic Shoes™.

[Webmastering](#) [PrestaShop](#) [PHP](#) [CSS](#) [mysql](#) [PayPal API](#) [Google Cloud Services](#)

## **Licores com Espírito**

For *connoisseurs* and the curious

Personal hobbyist Wordpress blog about Spirits & Liquors.

[Wordpress](#)

## **Arte do Couro**

The Art of the Leather

Personal Wordpress blog (created for academic purposes) about Leather.

[Wordpress](#)

## **Third party projects with my collaboration**

### **Libera**

[libera.com.pt](#)

Plataforma de Encomendas

Real-time managing of Ordering, Production, Packaging and Shippment, fully integrated with SAGE POS.

[Full Stack Development](#) [NodeJS](#) [SailsJS](#) [JavaScript](#) [jQuery](#) [HTML](#) [CSS](#) [mysql](#) [Wordpress API](#) [MailGun API](#) [Facebook API](#)  
[Twitter API](#) [LinkedIn API](#) [PayPal API](#) [YouTube API](#) [Google Analytics](#) [Google API](#) [Google Maps API](#) [Google Calendar API](#) [Google Cloud Services](#)

## **Vibrancy is a Choice**

Social Impact Investors

Social network and Content management system with several user profiles

Signed users above a certain profile are able to submit their own projects for approval/publication.  
Also functioned as an Hub and propagator for the ISC universe, importing Administrators blog posts and exporting them to ISC's Wordpress site, as well as exporting information on Events, for example.

ISC universe domain names email addresses, credentials and routes management.

Costumer Relationship Management and e-books sales. Social network feed with posts, likes, comments, shares and followers.

Full Stack Development   NodeJS   SailsJS   JavaScript   jQuery   HTML   CSS   MySQL   Wordpress API   MailGun API   Facebook API   Twitter API   LinkedIn API   PayPal API   YouTube API   Google Analytics   Google API   Google Maps API   Google Calendar API   Google Cloud Services

**Surveys ISC**

Institute for Strategic Clarity – Surveys

Survey creation and management system for ISC use, with groups and users management as well as survey analysis and statistics (individual and group).  
Multi-language, PDF and Powerpoint results exportation.  
Lime Survey importation functionality – Structure and Results.

Full Stack Development   NodeJS   SailsJS   JavaScript   jQuery   HTML   CSS   MySQL   MailGun API   Google Analytics   Google Cloud Services

**Institute for Strategic Clarity**

Building capacity to social impact

ISC Wordpress website.

Consulting   Webmastering   Wordpress   Wordpress Multi-site   Google Cloud Services

**Nutsoft Omnichannel Retail**

**[www.womni.store](http://www.womni.store)**

All-in-One SaaS Omnichannel solution for micro and small retail companies

All-in-one Software as a Service (SaaS) Omnichannel retail solution for micro and small companies over an innovative hybrid cloud architecture and network fail-over solution, combining an Enterprise Resource Planning (ERP), Point of Sales (POS), Customers Relationship Management (CRM) and e-Commerce (Online Store) software in one single interface, "Internet of Things" (IoT) ready, multi-language and responsive, over multiple devices, in real-time.

Full Stack Development   NodeJS   SailsJS   HTML   CSS   JavaScript   MySQL   PHP   MQTT   Raspberry Pi   ERP   CRM   POS   SaaS   IoT   Ubuntu   Ubuntu ARM   Google Cloud Services   Amazon Web Services   Docker   Kubernetes   MB Way   SOAP   API's