

# ASSIS FERREIRA

## SOFTWARE ENGINEER

### CONTACT

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### LINKS

[assisfery.github.io](https://assisfery.github.io)

[linktr.ee/assisfery](https://linktr.ee/assisfery)

[linkedin.com/in/assis-ferreira](https://linkedin.com/in/assis-ferreira)

### INTERESTS

- Web development
- Mobile Development
- Artificial Intelligence and Chatbot
- Electronic Payment Technologies
- Hacking and IT Security
- Game Development
- Speech Synthesis and Recognition

### IDIOM

- Cape Verdean Creole (Native/C2)
- Portuguese (Fluent/C2)
- English (Post-Intermediate/B2)

## EXPERIENCE

### TECHLEAD AND FULL STACK DEVELOPER

DEVNOLOGY

MAY 2022 - PRESENT BELO HORIZONTE, BRASIL(REMOTE)

Developers of online systems, crawlers, robots and applications for various purposes. (devnology.com.br)

**Tech Stack:** HTML CSS Bootstrap JS PHP Laravel REST MySQL Flutter NodeJS AdonisJS NestJS

### FOUNDER AND SOFTWARE ENGINEER

FAXI

SET 2019 - PRESENT

PRAIA, CABO VERDE

Online Payment Platform, which allows you to recharge your mobile phone, pay bills and buy tickets in a Web App and a Chatbot on Facebook Messenger. (www.faxi.online)

**Tech Stack:** HTML CSS Bootstrap JS VueJS PHP Laravel REST MySQL/MariaDB

### IT SOLUTION DEVELOPER

INTERBANK SOCIETY AND PAYMENT SYSTEMS - SISP

OUT 2017 - JUL 2022

PRAIA, CABO VERDE

Financial Institution in charge of managing activities related to the development and use of means of payment in Cape Verde. (www.sisp.cv)

**Tech Stack:** HTML CSS Bootstrap JS jQuery C# Asp .NET WebForms .NET Core Oracle PostgreSQL SOAP REST

**Contact:** Daniela Araújo (daraujo@sisp.cv)

### SOFTWARE ENGINEER (PART TIME)

CHATRACE

FEV 2021 - JUL 2021

PRAIA, CABO VERDE

SAAS to create chatbot for multiple channels. (www.chatrace.com)

**Tech Stack:** HTML CSS Bootstrap JS VueJS PHP Websocket REST

**Contact:** António Fernandes (silfer.antonio@gmail.com)

### CO-FOUNDER AND LEAD PROGRAMMER

NHABEX

DEZ 2016 - MAR 2018

PRAIA, CABO VERDE

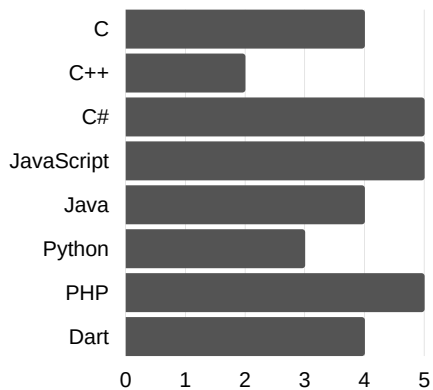
Innovative and differentiated solution for queue management. (www.nhabex.com)

**Tech Stack:** HTML CSS Bootstrap JS Angular 1 PHP Websocket REST MySQL

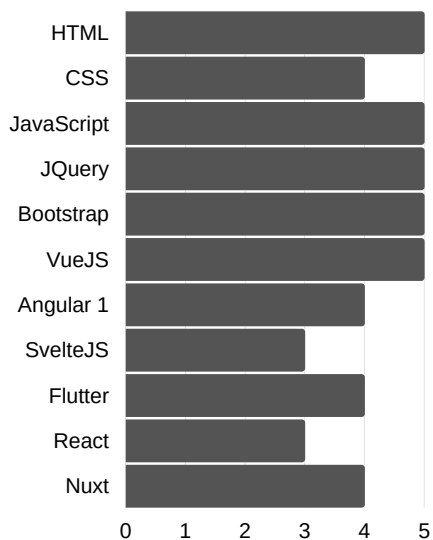
**Contact:** Eloy Tavares (eloytavares@yahoo.com.br)

# SKILLS AND EXPERIENCES

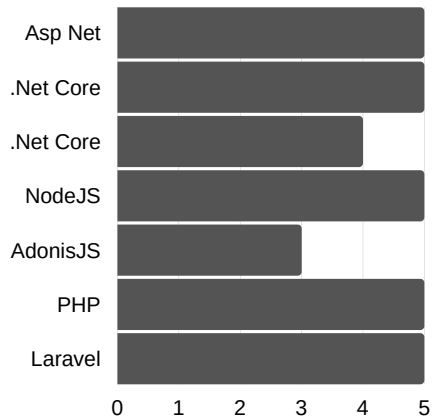
## PROGRAMMING LANGUAGES



## FRONTEND



## BACKEND



## INTERNSHIP AS WEB DEVELOPER (PART TIME)

BONAKO

DEZ 2016 - MAR 2017

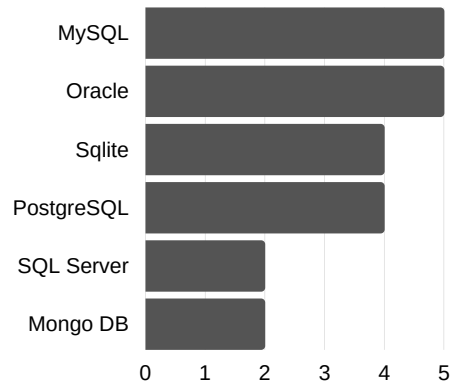
PRAIA, CABO VERDE

Producer of digital games and mobile applications, inspired by African folklore, stories, games and rich African culture. ([www.bonako.com](http://www.bonako.com))

**Tech Stack:** HTML CSS JS PHP

**Contact:** Joelson Leal ([joelson.leal@digital.cv](mailto:joelson.leal@digital.cv))

## DATA BASE



## EDUCATION

### DEGREE IN COMPUTER SCIENCE AND ENGINEERING

UNIVERSITY OF CAPE VERDE - UNICV

2013 - 2017

PRAIA, CABO VERDE

#### Study Area

- Information Systems Programming

### HIGH SCHOOL

SECONDARY SCHOOL ARMANDO NAPOLEÃO FERNANDES - ESANF

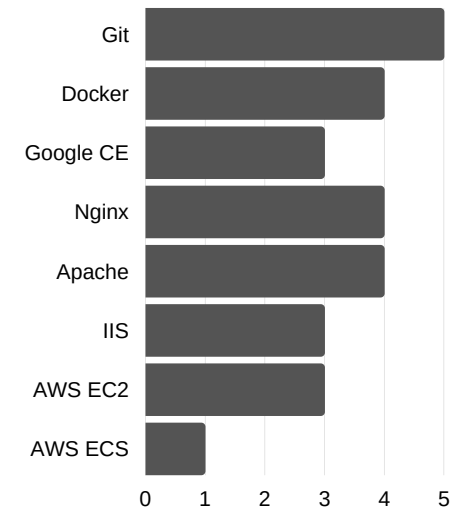
2007 - 2013

ACHADA FALCÃO, CABO VERDE

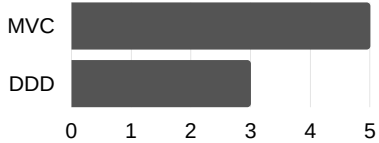
#### Study Area

- Sciences and Technologies

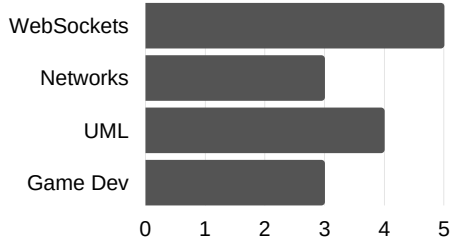
## DEVOPS



## DESIGN PATTERNS



## OTHERS



# CERTIFICATES

## **INTRODUCTION TO SCRATCH PROGRAMMING**

GREENSTUDIO

MAR 2017 - APR 2017

PRAIA, CABO VERDE

## **APPLIED DATA SCIENCE FOR DEVELOPERS/BIGDATA**

### **WORKSHOP**

OPENUP

MAI 2019

PRAIA, CABO VERDE

## **EMV FOR ACQUIRERS, ISSUERS AND PROCESSORS**

ARGOTECHNO

JUN 2019

PRAIA, CABO VERDE

## **MICROSOFT SECURE DEVELOPMENT LIFECYCLE (SDL)**

OPENUP

JUL 2019

PRAIA, CABO VERDE

## **PAYMENTS PROFESSIONAL BOOTCAMP CARD SCHEMES TO BLOCKCHAIN**

ELWIN SYLVESTER

OUT 2019

UDEMY

## **EMV MODULE 1: A BEGINNER'S GUIDE TO CHIP CARD**

### **TRANSACTIONS**

HERVE ZENNER

OUT 2019

UDEMY

## **GETTING STARTED WITH WEBASSEMBLY & EMSCRIPTEN**

RAY VILJOEN

JAN 2020

UDEMY

## **GETTING STARTED WITH GIT AND GITHUB**

IBM

JUN 2022

COUSERA

## **INTRODUCTION TO DEVOPS**

IBM

JUN 2022

COUSERA

## **DOCKER ESSENTIALS & BUILDING A CONTAINERIZED WEB APPLICATION**

COURSERA PROJECT NETWORK

JUL 2022

COUSERA

## **NESTJS ZERO TO HERO - MODERN TYPESCRIPT BACK-END DEVELOPMENT**

ARIEL WEINBERGER

AGO 2022

UDEMY

# AWARDS

**FIRST PLACE IN THE SOFTWARE ENGINEERING CONTEST**  
CONTEST HELD BY THE UNIVERSITY OF CAPE VERDE  
(UNICV) IN THE CONTEXT OF THE INFORMATICS AND  
MULTIMEDIA TECHNOLOGY WEEK (TIM), CONTESTED WITH  
A COMPUTER CONTROL PROJECT THROUGH VOICE  
COMMANDS.

MAI 2016

TIM WEEK - UNICV

**SELECTED TO REPRESENT CAPE VERDE ON WEBSUMMIT**

**2021**

10 STARTUPS WERE SELECTED TO BE PART OF THE  
GOGLOBAL PROGRAM OF THE DIGITAL CABO VERDE  
INITIATIVE.

NOV 2021

LISBOA, PORTUGAL

## HIGHLIGHTED PROJECTS

### BONAKO WEBSITE

DEVELOPED AT BONAKO

Website for the company BONAKO to disclose the products developed, the services provided and other information.

**My Role:** Programmer

**Tech Stack:** HTML, CSS, JS, PHP

### NHABEX

DEVELOPED AS A PERSONAL PROJECT

Web and Chatbot Solution for Monitoring Online Queues in Real Time and printing tickets remotely.

**My Roles:** Co-founder, Analyst, Programmer

**Tech Stack:** HTML, CSS, JS, JQuery, Angular 1, Bootstrap, PHP, REST, MySQL, WebSocket

### PORTAL FOR SERVICE ENTITIES

DEVELOPED AT SISP

Portal aimed at companies from different sectors of activity that provide services on Rede vinti4.

**My Roles:** Analyst, Programmer

**Tech Stack:** HTML, CSS, JS, JQuery, Bootstrap, C#, ASP NET WebForms, SOAP, ORACLE

### KNOWLEDGE BASE

DEVELOPED AT SISP

Centralized module to accumulate and manage information about the most diverse services and procedures of SISP.

**My Roles:** Analyst, Programmer

**Tech Stack:** HTML, CSS, JS, JQuery, Bootstrap, C#, ASP NET WebForms, ORACLE

### EASYLINK VINTI4

DEVELOPED AT SISP

Service for creating direct payment links for sales of merchants' products and services.

**My Roles:** Analyst, Programmer

**Tech Stack:** HTML, CSS, JS, JQuery, Bootstrap, C#, ASP NET WebForms, SOAP, ORACLE

### SEND RECEIPT VIA SMS

DEVELOPED AT SISP

Sending the link/url of the purchase receipt and other operations from a POS terminal to the customer's mobile phone via SMS.

**My Roles:** Analyst, Programmer

**Tech Stack:** HTML, CSS, JS, JQuery, Bootstrap, C#, ASP NET WebForms, SOAP, REST, ORACLE

### PORTAL FOR DIGITAL CERTIFICATES

DEVELOPED AT SISP

Portal for requesting digital certificates and issuing timestamp seals for documents.

**My Roles:** Analyst, Programmer

**Tech Stack:** HTML, CSS, JS, JQuery, Bootstrap, C#, .NET Core, SOAP, ORACLE

### PAYMENT CONFIRMATION INTERMEDIARY

DEVELOPED AT SISP

Intermediary that receives payment information sent by TCP/IP and sends it to the Entities' WebServices by REST and SOAP according to the configurations made.

**My Roles:** Analyst, Programmer

**Tech Stack:** C#, ASP NET, TCP/IP, REST, SOAP, ORACLE

## WORDPRESS PLUGIN TO ACCEPT PAYMENTS ON REDE VINTI4

DEVELOPED AT SISP

Development of a WordPress plugin that is easily installed and integrated with Woocommerce.

**My Roles:** Analyst, Programmer

**Tech Stack:** PHP, Wordpress, Woocommerce

## DRUPAL PLUGIN TO ACCEPT PAYMENTS ON REDE VINTI4

DEVELOPED AT SISP

Development of a Drupal plugin to facilitate the implementation of payments with this CMS.

**My Roles:** Analyst, Programmer

**Tech Stack:** PHP, Drupal, Commerce Kickstart

## INTEGRATION OF ELECTRA'S PREPAID SERVICE IN REDE VINTI4

DEVELOPED AT SISP

Integration and payment acceptance of Electra's Prepaid service (electricity company) in the Rede vinti4.

**My Roles:** Analyst, Programmer

**Tech Stack:** C#, ASP NET, TCP/IP, SSL, ORACLE

## FAXI

DEVELOPED AS A PERSONAL PROJECT

Online Payment Platform, which allows you to recharge your mobile phone, pay invoices and buy tickets in a Web App and in a Chatbot within Facebook Messenger.

**My Roles:** Founder, Analyst, Programmer

**Tech Stack:** HTML, CSS, JS, JQuery, VueJS, Bootstrap, PHP, REST, MySQL, Laravel

## REAL-TIME MULTICHANNEL INBOX

DEVELOPED AT CHATRACE

Multichannel conversation module that allows managers to talk to customers and help the chatbot respond to customers.

**My Roles:** Analyst, Programmer

**Tech Stack:** HTML, CSS, JS, VueJS, Bootstrap, PHP, REST, MySQL, WebSocket, Ratchet(socketo.me)

## CHATBOT FOR WEB

DEVELOPED AT CHATRACE

Plugin that allows managers to integrate a chatbot on websites, in a simple and practical way.

**My Roles:** Analyst, Programmer

**Tech Stack:** HTML, CSS, JS, VueJS, Bootstrap, PHP, REST, WebSocket

## API FOR DIGITAL CERTIFICATE REQUEST

DEVELOPED AT SISP

API for digital certificate requests made available to the Ministry of Finance, enabling taxpayers to request, receive and use certificates from the Ministry's system.

**My Roles:** Analyst, Programmer

**Tech Stack:** HTML, CSS, JS, Bootstrap, REST, SOAP, Oracle, PostgreSQL

## 3DS PROTOCOL MIDDLEWARE

DEVELOPED AT SISP

Middleware to allow the merchants to accept 3DS transaction without implementing it in their platforms.

**My Roles:** Analyst, Programmer

**Tech Stack:** PHP, SQLITE

## **123MILHAS FEATURES**

DEVELOPED AT DEVNOLOGY

Creation and improvement of features in 123milhas.com platform.

**My Roles:** Programmer

**Tech Stack:** PHP, Laravel, MySQL, Docker

## **OTA MIDDLEWARE FOR**

### **CARROS 123MILHAS**

DEVELOPED AT DEVNOLOGY

Development of a middleware to convert the API at carros.123milhas.com to OTA Standard in REST format.

**My Roles:** Tech Lead, Programmer

**Tech Stack:** Typescript, NodeJS, AdonisJS, Docker, AWS EC2, AWS ECS

## **123MILHAS BACKOFFICE API**

DEVELOPED AT DEVNOLOGY

API Development for Backoffice modules, for authentication, user, groups and access management.

**My Roles:** Tech Lead, Programmer

**Tech Stack:** Typescript, NodeJS, NestJS, MySQL, REST, Docker

## **123MILHAS BACKOFFICE**

### **FRONTEND**

DEVELOPED AT DEVNOLOGY

Development of Web Frontend module to authenticate and management of users, groups and access.

**My Roles:** Tech Lead, Programmer

**Tech Stack:** Flutter, REST