

# Funakoshi Silva

**Phone:** +351 915-510-738 | **Email:** silvakoshi@gmail.com

**Personal Website:** funakoshisilva.com

**Github:** github.com/funakoshiapi

**Linkedin:** linkedin.com/in/silvafunakoshi

## WORK EXPERIENCE

### **Rocket Central (Rocket Companies), Detroit, MI, USA — Software Engineer**

December 2022 – January 2024

- Developed financial API integration guaranteeing bidirectional exchange of data and secured consumer permission third-party access to bank account information.
- Refactored Java API codebase in order to support mobile app user authentication and authorization through single login for multiple applications.
- Deployed and Managed applications hosted on Cloud services such as AWS. Wrote configuration Terraform files for AWS EC2 instance.
- Created unit test for code base running on .Net framework and Spring Boot.
- Wrote end-to-end testing for angular application.
- Performed dry runs of new software application features. Conducted code reviews to ensure adherence to the company's coding standards.
- Attended daily team meetings and communicated with product owner's regarding major features and stories updated.

### **Avfuel Corporation, Ann Arbor, MI, USA — Software Engineer**

October 2020 – October 2022

- Worked with .Net Core, React.js, SQL Server and MongoDB in order to build internal fuel tax calculator and GeoJson data displayer, Used axios and fetch API to manage client side http requests.
- Leveraged .Net for API development, microservices and creation of razor page applications
- Refactored VBScript legacy code from CRM into C# classes in order to modernize the company's code base.
- Created automation scripts in Python to manage cross application interaction, converting EDI files to XML file invoices

## EDUCATION

### **Michigan State University, East Lansing, MI — B.S., Computer Engineering**

May – 2020

**Relevant Coursework:** Software Design, Algorithms & Data Structures, Computer Systems, Operating Systems, Communication Networks, Control Systems, C++, Python

## TECHNICAL SKILLS

### **Languages:**

C# , JavaScript, Python, VBScript

### **Libraries & Frameworks:**

.Net, Entity Framework, React, Node.js

### **Databases & Cloud:**

Microsoft SQL Server, MongoDB, Cosmos Db, Microsoft Azure, AWS

## TECHNICAL PROJECTS

### **Web App Development | [Link](#)**

- .NET Backend Api, React.js as a front-end and Postgres as database. The app works as a directory for listing companies in the Angolan marketplace. User authentication performed by API using ASP.NET Core Identity

### **API Development C# | [GITHUB](#)**

- Applied repository pattern and created abstraction layer between the data access and the business logic layer
- Used MongoDB, SQL server as database storage
- Created SQL server tables through sql server management studio and generated object class models through entity framework scaffolding
- Created test cases using xUnit to prove development concept

### **GEOJSON Viewer in React | [GITHUB](#)**

- React application that display polygon on google maps given a geojson string