Fernando Maceda Silva

Software Engineer | Full Stack Developer
La Paz, Bolivia · ferna.mace.34@gmail.com · linkedin.com/in/fernando-maceda-silva ·
github.com/fmacedas · fmacedas.github.io/personal-blog/

Professional Summary

Full Stack Software Engineer with 5+ years of experience in designing and building scalable web applications using JavaScript as main language, as well as C#, .NET, React, and microservices architecture. Passionate about delivering high-quality software and continuously improving through a growth mindset. Experienced in domain-driven design, testing, agile methodologies, and cloud-ready solutions.

Technical Skills

- Languages: JavaScript, TypeScript, C#, SQL, Java, Python, Kotlin (basic)
- Frameworks: React.js, Angular, .NET Core, Entity Framework
- Architecture: Microservices, Clean Architecture, DDD
- Databases: PostgreSQL, MySQL, SQL Server, MongoDB, Cassandra (basic), DynamoDB (basic)
- Testing: Mocha, xUnit, NUnit, Integration Testing, TDD
- Tools: Git, GitHub Actions, Docker, Swagger, Postman
- Cloud & APIs: AWS (basic), Azure (basics), REST APIs, OAuth2.0, SignalR (basic)
- Practices: Agile, CI/CD, SOLID principles, Clean Code

Professional Experience

Full Stack Developer
Mojix, Bolivia — 2017 to 2019

- Developed web application using Angular framework using MVVM architectural pattern.
- Designed and developed microservices using Python, implementing Domain-Driven Design and SOLID principles.
- Built and maintained scalable REST APIs integrated with DynamoDB.
- Deployed web applications and microservices to AWS using EC2 instances and Lambda functions.
- Built and maintained store procedures in Oracle database.
- Created CI/CD pipelines and automated testing suites to ensure deployment safety and quality.
- Collaborated with cross-functional teams using Agile methodologies.

Full Stack Developer

Jalasoft, Bolivia — 2019 to 2020

- Designed and developed web applications using ReactJS using component-based architecture.
- Designed and developed microservices using C# (.NET Core) and NodeJS, implementing Domain-Driven Design and SOLID principles.
- Built and maintained scalable REST APIs integrated with PostgreSQL and MongoDB.
- Deployed web applications and microservices to Google Cloud using VM instances.
- Designed and implemented the project infrastructure using Docker Swarm to allow deployment into multiple environments.
- Created CI/CD pipelines and automated testing suites to ensure deployment safety and quality.
- Collaborated with cross-functional teams using Agile methodologies.

Full Stack Developer

Jalasoft, Bolivia — 2020 to present

- Customized Infinite Blue platform by designing and developing server-side triggers by using Vanilla JavaScript.
- Customized Infinite Blue platform by designing and developing custom client-side scripts including the usage of build-in utilities.
- Developed and maintained web application using AngularJS using MVC architecture.
- Developed and maintained third-party integrations like Google, Outlook, Constant Contact, etc.
- Designed and developed web applications using ReactJS using component-based architecture.
- Designed and developed microservices using C# (.NET Core), implementing Domain-Driven Design and SOLID principles.
- Built and maintained scalable REST APIs integrated with SQL Server and Cosmos DB.
- Collaborated with defining best practices on how to structure the repository.
- Led the development of modules like Google Integration (calendar, contacts and email) and outbound email traffic using Google and Outlook integrations.
- Collaborated with customers support when needed.
- Collaborated with the release process.
- Collaborated with cross-functional teams using Agile methodologies.

Education

Bachelor's Degree in Systems Engineer
Bolivian Catholic University "San Pablo", Bolivia — 2017

Diploma in teaching for higher education
Bolivian Catholic University "San Pablo", Bolivia — 2022

Projects

Personal portfolio (Personal Project)

- Built a portfolio where I share my skills, experiences, education, projects and blogs I wrote.
- Used Hugo and Toha theme for structuring the portfolio.

Infinite Blue Snippets for VS Code (Side Project)

- Developed a VS Code extension that allows auto complete Infinite Blue methods, so it's easy to design and develop pieces of code that uses them.
- Used JavaScript for configuring the project and JSON files for defining the snippets.

Languages

- Spanish: Native
- English: Professional Proficiency (B2-C1)
- Italian: Basic (studying)