

Fernando Maceda Silva

Software Development Engineer | Full Stack | Cloud Applications
La Paz, Bolivia (Remote | Open to relocation) | ferna.mace.34@gmail.com | +59178989963 |
linkedin.com/in/fernando-maceda-silva | github.com/fmaceda | fmaceda.github.io/blog/

Summary

Software Engineer with 7+ years of experience building and maintaining scalable web applications, cloud-based solutions, and AI-powered products that turn smart ideas into real-world impact. Strong background in full stack development using C#, .NET, and React, with hands-on experience in microservices environments and cloud platforms such as Azure and AWS.

Proven track record of improving system reliability, optimizing performance, and driving development best practices including CI/CD, code reviews, and automated workflows. Experienced in supporting production systems, mentoring developers, and contributing to technical decisions that enhance team productivity and software quality.

Technical Skills

- **Languages & Frameworks:** C#, .NET Core, JavaScript, TypeScript, React, Angular, AngularJS, Java
- **Databases:** PostgreSQL, MySQL, SQL Server, MongoDB, CosmosDB
- **Cloud & DevOps:** AWS (EC2, Lambda, DynamoDB), Azure (Functions, DevOps, CI/CD Pipelines), Docker, GitHub Actions
- **Practices & Architecture:** Microservices-based systems, REST APIs, CI/CD, SOLID principles, Agile methodologies

Professional Experience

Software Development Engineer – DMSi (via Jalasoft)

Omaha, Nebraska (Remote) | Feb 2020 to present

- Designed and implemented client- and server-side solutions using JavaScript and the Infinite Blue platform, improving data synchronization and overall system reliability.
- Integrated external services including Google and Outlook APIs to automate email and calendar workflows, reducing synchronization latency by 25%.
- Took ownership of production issues, diagnosing and resolving incidents to maintain system stability and minimize downtime.
- Led improvements in development practices by introducing code reviews, coding standards, and CI processes, reducing rework and improving code quality across the team.
- Automated release and permission workflows, significantly reducing manual effort and accelerating delivery cycles.
- Acted as a technical reference within the team, onboarding new developers and mentoring junior engineers.

Software Development Engineer (Part-time) — Jalasoft

La Paz, Bolivia | Jan 2024 to Feb 2026

- Maintained and optimized .NET Core services, improving performance and scalability of backend systems.
- Enhanced a React-based frontend application, improving load performance and user experience.
- Contributed to the migration of applications to Azure, improving system reliability and optimizing infrastructure costs.
- Implemented cloud-based solutions using Azure services such as Service Bus and SignalR to support scalable communication.

- Automated infrastructure deployment using ARM templates, reducing manual setup and deployment effort.
- Participated in agile ceremonies and contributed to improving team collaboration and delivery consistency.

Software Development Engineer — Jalasoft

La Paz, Bolivia | July 2019 to Jan 2020

- Contributed to the development of backend services using .NET Core and Node.js within a microservices-based architecture.
- Supported frontend development in React, improving maintainability and user experience.
- Managed CI/CD pipelines using Docker and cloud-based tools, improving deployment reliability.
- Improved system monitoring and resource management, contributing to increased system uptime.

Software Development Engineer — Manheim (via Mojix)

Atlanta, Georgia (remote) | Apr 2017 to Mar 2019

- Developed Angular applications and backend services supporting high-traffic systems used by thousands of users.
- Built REST APIs using AWS Lambda and DynamoDB to support scalable, serverless architectures.
- Automated testing and deployment pipelines using Jenkins, Ansible, and CloudFormation, reducing manual release effort.
- Implemented monitoring and logging using AWS CloudWatch to improve visibility and incident response.
- Collaborated with cross-functional teams to deliver reliable and maintainable software solutions.

Projects

Personal Portfolio & Blog

- Developed a personal website using Hugo to showcase technical projects and articles.
- Applied SEO strategies to improve visibility and reach.

VS Code Extension – Infinite Blue Snippets

- Built a custom extension to improve developer productivity through code snippets and API integrations.

Education

Master of Science in Computer Science (In Progress)

University of York, United Kingdom — Expected 2028

Diploma in Teaching for Higher Education

Bolivian Catholic University "San Pablo" — 2022

Bachelor's Degree in Systems Engineering

Bolivian Catholic University "San Pablo" — 2017

Languages

- English: Professional Proficiency (B2-C1)
- Spanish: Native
- Italian: Basic (A1-A2)