

Olaff Velazquez-Escalante

Senior Software Engineer | Full-Stack .NET Developer

Holland, Michigan | olaffve@outlook.com | github.com/olaffve | linkedin.com/in/olaffve

Professional Summary

Bilingual Senior Software Engineer with 6+ years of professional experience building, modernizing, and supporting enterprise applications with C#, .NET, ASP.NET Web API, Angular, React, TypeScript, SQL Server, PostgreSQL, Kafka, Docker, Azure, and modern cloud technologies. Experienced in secure REST APIs, relational database optimization, high-volume processing services, legacy modernization, testing, and production support. Founder and Full-Stack Developer of Natly, a bilingual civic-education SaaS platform.

Technical Skills

Languages	C#, Java, TypeScript, JavaScript, SQL, HTML5, CSS3
Backend	.NET, ASP.NET Web API, REST APIs, Entity Framework, J2EE, Spring, Struts, Servlets, JSP, JDBC
Frontend	Angular, React, Angular Material, Tailwind CSS, Bootstrap, Vite
Data	SQL Server, PostgreSQL, MySQL, Liquibase, stored procedures, query optimization, ETL
Cloud & DevOps	Azure, Supabase, serverless technologies, Kafka, Docker, Bitbucket, GitLab
Quality & Tools	xUnit, NSubstitute, Vitest, React Testing Library, SonarQube, Splunk, Grafana, Postman, Jira

Professional Experience

Natly

January 2026 - Present

Founder & Full-Stack Developer | Michigan / Remote

Bilingual civic-education SaaS platform helping Spanish-speaking immigrants prepare for U.S. naturalization.

- Lead product strategy, application architecture, UI/UX, and end-to-end development.
- Build quizzes, flashcards, study tools, and interview simulations with React, TypeScript, Tailwind CSS, and Vite.
- Design multilingual English/Spanish architecture, reusable components, automated tests, and a Supabase/serverless foundation.
- Plan AI-driven personalization, guided support for learners with limited English, and alerts for relevant naturalization updates.

Enhesa

October 2022 - December 2025

Full-Stack Software Developer | Williamsport, PA / Remote

Modernized RegScan and supported .NET, Angular, database, and Kafka services for regulatory-data workflows.

- Owned RBMD.JOB, a Kafka processing service, resolving bottlenecks and restart failures under high-volume payloads.
- Built C# simulation endpoints that removed local Kafka/Docker dependencies and reduced debugging from hours to minutes.
- Modernized applications using C#, .NET, ASP.NET Web API, Angular, SQL Server, and PostgreSQL.
- Improved database performance through indexing, normalization, stored procedures, and SQL query optimization.
- Implemented HttpOnly cookies, secure session handling, backend-only sensitive-data access, tests, and Liquibase migrations.
- Investigated production health with Splunk and Grafana while collaborating with Product, Security, and Engineering.

Technological University of Tecamac

September 2017 - September 2018

Jr. Full-Stack Developer | Tecamac, Mexico

Supported a centralized financial-reporting initiative across universities using different Java, .NET, MySQL, and SQL Server systems.

- Built REST integration between Java Struts/J2EE applications and C# ASP.NET Web API services.
- Connected Angular HTTPClient services and implemented API-key, token, and CORS security controls.
- Developed Java modules with Servlets, JSP, Spring, JDBC, and Ajax, plus MySQL queries and stored procedures.

CA-Microsystems

September 2016 - September 2018

Senior Software Engineer | Mexico City, Mexico

Developed tax, financial, accounting, and administrative software for Mexican businesses.

- Built ETL processes for accounting data from Microsoft Dynamics, Oracle, SAP, and other client ERP systems.
- Created SQL Server views, stored procedures, triggers, and database objects supporting tax calculations and reporting.
- Developed C#/.NET components, Crystal Reports, and technical documentation.

Education

Technological University of Tecamac

Engineering Degree in Information and Communication Technologies | Tecamac, State of Mexico, Mexico

Languages

Spanish: Native | English: Professional working proficiency