

Olaff Velazquez-Escalante

Software Engineer | Full-Stack .NET Developer

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PROFESSIONAL SUMMARY

Software engineer with 6+ years of professional experience building, modernizing, and supporting enterprise applications using C#, .NET, ASP.NET Core/Web API, Angular, React, TypeScript, SQL Server, PostgreSQL, Kafka, and Azure. Experienced across REST API development, database optimization, automated testing, production troubleshooting, secure application design, and legacy modernization. Bilingual in English and Spanish and authorized to work permanently in the United States.

TECHNICAL SKILLS

Core: C#, .NET, ASP.NET Core, ASP.NET Web API, REST APIs, Entity Framework, Java, JavaScript, TypeScript

Frontend: Angular, React, Angular Material, DevExtreme, Fuse Angular, Tailwind CSS, Bootstrap, HTML5, CSS3, Vite

Data & Integration: SQL Server, PostgreSQL, MySQL, stored procedures, query optimization, ETL, Liquibase, Kafka

Cloud & Delivery: Azure, Supabase, serverless technologies, Docker, Git, Azure DevOps, GitHub, GitLab, Bitbucket, CI/CD

Testing & Operations: xUnit, NSubstitute, Vitest, React Testing Library, integration testing, SonarQube, Splunk, Grafana, Postman, Jira, Agile/Scrum

AI-Assisted Development: GitHub Copilot, ChatGPT, Cursor; code generation, testing, debugging, documentation, and human-reviewed implementation

PROFESSIONAL EXPERIENCE

Natly | Michigan / Remote

Founder & Full-Stack Developer | Jan 2026 - Present

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

- Architect and develop the product end-to-end using React, TypeScript, Tailwind CSS, Vite, Supabase, and serverless technologies.
- Build bilingual quizzes, flashcards, study tools, interview simulations, reusable UI components, and responsive user experiences.
- Own product strategy, application architecture, UI/UX, testing, analytics, and the technical roadmap.
- Create automated frontend tests with Vitest and React Testing Library to improve reliability and maintainability.

Enhesa | Williamsport, PA / Remote

Software Developer II | Oct 2022 - Dec 2025

Contributed to the RegScan platform and services supporting global regulatory-data workflows.

- Owned and optimized RBMD.JOB, a Kafka-based microservice processing high-volume regulatory baseline data, resolving bottlenecks and restart failures.
- Built internal C# debugging and simulation endpoints that removed local Kafka and Docker dependencies, reducing issue reproduction and debugging from hours to minutes.
- Maintained and modernized enterprise applications using C#, .NET, ASP.NET Web API, Angular, Angular Material, DevExtreme, Fuse Angular, SQL Server, and PostgreSQL.
- Developed REST APIs, integrations, and database logic supporting evolving business requirements following the RegScan acquisition.
- Improved database performance through indexing, normalization, stored procedures, and SQL query optimization.
- Converted Figma designs into reusable Angular components and integrated shared UI libraries across multiple product experiences.
- Implemented secure patterns including HttpOnly cookies, secure sessions, and backend-only access to sensitive data.
- Created unit and integration tests with xUnit and NSubstitute, delivered Liquibase migrations, and investigated production issues with Splunk and Grafana in an Agile environment.

EARLIER EXPERIENCE

Technological University of Tecamac | Tecamac, Mexico

Jr. Full-Stack Developer - Java / C# / .NET | Sep 2017 - Sep 2018

Supported an initiative to centralize financial reporting across institutions using different Java, .NET, MySQL, and SQL Server systems.

- Developed a centralized reporting solution integrating systems used by multiple technological universities.
- Built REST endpoints between Java Struts/J2EE applications and C# ASP.NET Web API services backed by MySQL and SQL Server.
- Connected Angular services to backend APIs and implemented API-key, token-based, and CORS security controls.
- Developed Java modules with Servlets, JSP, Spring, JDBC, and Ajax; created stored procedures and validated APIs using Postman.
- Participated in requirements analysis, solution design, implementation planning, proofs of concept, and product reimplementations.

CA-Microsystems | Mexico City, Mexico

Software Engineering Developer | Sep 2016 - Sep 2018

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

- Developed and maintained components for MFU, a financial application used to calculate and report Mexican federal taxes.
- Built ETL processes to integrate accounting data from Microsoft Dynamics, Oracle, SAP, and other client ERP systems.
- Partnered with clients to map source data, business rules, and ERP-specific extraction processes.
- Created SQL Server views, stored procedures, triggers, and database objects supporting tax calculations and reporting.
- Developed C# .NET components using object-oriented design and created Crystal Reports and technical documentation.

EDUCATION

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

LANGUAGES

Spanish: Native | English: Professional working proficiency