

Highly motivated and results-oriented software developer with 8+ years of experience in designing, developing, and implementing enterprise solutions and web applications. Proven ability to deliver high-quality, optimized code and work collaboratively in fast-paced environments. Expertise in designing and developing .NET-based applications, proficient in integrating and utilizing the comprehensive services offered by both the Microsoft Azure and AWS cloud platforms. Expert in building robust authentication systems, further enhancing the security and reliability of web applications. Highly skilled in object-oriented programming, design patterns, and a diverse range of web application technologies. Solid background in requirement analysis, transforming business requirements into functional requirements, and demonstrating research-oriented, analytical, and interpersonal capabilities. Flexible team player and fast learner, able to adapt to new technologies and architectural approaches with ease.

EXPERIENCE

Kunai — October 2023 – Actually

Backend Engineer at WEX

- Played a key role in implementing OWI, the unified single sign-on (SSO) solution, leveraging Auth0 to streamline user access across diverse applications and enhance security for high-profile clients. This solution also reduced development expenses by centralizing the dev/product team, achieving a 10% developer resource cost reduction per product using OWI, amounting to \$3,200/month/product. This optimization has scaled to 15+ products, reflecting significant resource savings.
- Reduced call center costs and workload by minimizing login-related issues. Calls decreased by an average of 500 calls per product per year, saving \$1.38 per call.
- Implemented complex authentication flows, including user migration, onboarding, login/logout, and multi-factor authentication (MFA), to meet stringent security requirements.
- Focused on increasing the number of products utilizing OWI, enhancing cross-product accessibility, and ensuring secure, efficient authentication solutions.

Tech Stack: .NET Core, C#, TypeScript, Angular, Auth0, REST, Swagger, JSON, Splunk, AWS.

Persistent Systems — January 2023 – Juny 2023

Engineering Lead at RSI

- Contributed to the development of the Azure-based "revX" Software as a Service (SaaS) product, enabling U.S. and Canadian governments to efficiently process revenue taxes, licenses, and fees.
- Collaborated in building a robust reporting service utilizing data warehousing techniques to store and analyze data from Azure SQL and CosmosDB databases, reducing data latency.
- Developed a REST API microservice using .NET Core and Domain Driven Design, enabling seamless data access and interactions. Integrated the API with Microsoft Power BI embedded to enhance report creation and viewing.

Tech Stack: .NET Core, C#, Power BI, Azure, Power BI, REST, Swagger, JSON, MS SQL, CosmosDB, React, SonarCloud.

Cotemar — March 2018 – October 2022

Administrative Projects Supervisor (Tech Lead)

- Led the development of two REST APIs to integrate and streamline communication between five corporate software applications. Tech Stack: .NET Core, C#, Azure, SSRS, REST, Swagger, JSON.
- Developed a secure document auditing, validation, and storage solution based on workflow, facilitating document sharing and distribution to authorized departments. Tech Stack: IBM BPM, HTML5, CSS3, jQuery, AJAX, ASP .NET, C#, Java, MS SQL, JS, SSRS, REST, Swagger, JSON..
- Led the technical development of over 10 workflows, collaborating with external development teams. Tech Stack: IBM BPM, Java, HTML5, CSS3, jQuery, AJAX, JS, SSRS, REST, Swagger, JSON.
- Improved server response time by 75% and eliminated user complaints by migrating five legacy systems to the cloud and implementing CI/CD with Azure DevOps. Tech Stack: Azure DevOps

Operational Support Supervisor (Tech Lead)

- Reduced reported bugs and crashes on corporate applications by 90% through maintenance. Tech Stack: IBM BPM, Java, HTML5, CSS3, jQuery, AJAX, ASP .NET, C#, MS SQL, JS, SSRS, REST, Swagger, JSON.
- Increased productivity by 40% by conducting workload assessments and implementing new operational processes.
- Significantly improved corporate application performance by implementing server-side processing and optimizing code and queries. Tech Stack: IBM BPM, Java, HTML5, CSS3, jQuery, AJAX, ASP .NET, C#, MS SQL, JS, SSRS, REST, Swagger, JSON.
- Developed and implemented a data pipeline system with a dashboard using Power BI, providing senior management with critical financial and operational information for decision-making. Tech Stack: Power BI, MS SQL, SSIS.
- Reduced operation and administration response times by implementing parallel tasks and developing self-service functions. Tech Stack: IBM BPM, ASP .NET, C#, MS SQL, JS.
- Contributed to the adoption of a new pull request process for five repositories using GIT. Tech Stack: GIT

App Developer

- Developed an asset management and delivery system that boosted operational productivity, optimized administration, reduced costs, and improved safety and performance. Implemented an RFID system to expedite equipment delivery. Tech Stack: HTML5, CSS3, jQuery, AJAX, AngularJS, ASP .NET, C#, MS SQL, Azure, JS, SSRS, REST, JSON, XML.
- Led the development of the Spectrum mobile web application for financial statement analysis, enabling efficient audits and compliance checks. Tech Stack: HTML5, CSS3, jQuery, AJAX, ASP .NET, C#, MS SQL, Azure, Blob Storage, JS, SSRS, REST, JSON, XML.
- Participated in the development of a comprehensive Document Management Software solution covering the entire document lifecycle. Tech Stack: HTML5, CSS3, jQuery, AJAX, ASP .NET, C#, MS SQL, JS, SSRS, REST, JSON, XML.
- Improved software performance by 70% by identifying and fixing bugs, deadlocks, and bad practices, and by refactoring long-running database queries. Tech Stack: MS SQL

PROJECTS

Crédito Plan Real - <https://www.creditoplanreal.com/> — March 2017 - February 2018

- Developed and designed the company Website for contact and sale of financial products.
- Implemented the BRAAVO system for the control, operation, and automation of a Multiple Purpose Financial Society (SOFOM), increasing operational efficiency. Tech Stack: HTML5, CSS3, Mongo, Express, AngularJS, Node, JS, jQuery, AJAX, PHP.

H. Sección 47 del STPRM - October 2015 - March 2016

- Created a custom web system with responsive design for the Treasury Department to manage loans and payroll discounts for PEMEX employees. Tech Stack: HTML5, CSS3, MySQL, PHP, JS, Apache.

SKILLS

Programming Languages: Advanced: C#, JS, TypeScript, HTML, CSS; Intermediate: Java, PHP; Basic: C++, C, Python.

Frameworks and Tools: Advanced: .NET, .NET Core, IBM-BPM, jQuery, AJAX, Bootstrap, SSRS, SSIS, MVC, LINQ, JSON, XML, Entity Framework, Auth0, Intermediate: Angular, AngularJS, GIT, TFS, Azure, AWS, Power BI, QlikView, Postman; Basic: Express, Node, React.

Data Base: Advanced: MS SQL, MySQL; Basic: MongoDB, CosmosDB.

Languages: Fluent: English (C2 Proficient); Native: Spanish.

EDUCATION

Universidad Autónoma del Carmen - Ciudad del Carmen, Campeche. *Computer Systems Engineering*, 2018

Illinois State University - Normal, Illinois. *English Language and Culture*, 2014

CERTIFICATIONS

B1/B2 Level CERF for English - Harmon Hall. 2013.