Ramsés Ramírez Vallejo

Guadalajara, Jalisco • México • ramsesramirezvallejo@gmail.com • +52 1 312 133 2750

[Portfolio](#) | [LinkedIn](#) | [Github](#)

Professional Summary

Software developer with 3+ years of experience in full-stack development and microservices, specializing in C#/.NET, TypeScript, and React. Proficient in containerization using Docker to streamline deployment processes and improve system scalability. Experienced in designing and developing efficient, responsive user interfaces using modern frameworks like React and Next.js, ensuring optimal user experience across devices.

Skills

- **Programming Languages:** TypeScript, C#, Golang.
- **Frameworks:** React, Next.js, Astro, ASP.NET
- **Tools:** Docker, gRPC, JWT
- **Languages:**
  - English Professional (B2 Bulats) – Strong written and verbal communication skills.
  - Spanish (native).
  - French (B1 DELF).

Professional Experience

Apymsa - Hybrid

Fullstack Developer | JUL 2023 – Present

- Spearheaded the development of a RESTful ASP.NET Core microservices backend, improving system scalability and reducing response times.
- Optimized SQL Server database performance through strategic indexing and query optimization, achieving a decrease in average query response times.
- Collaborated with cross-functional teams to design and implement a responsive web application using Next.js, enhancing user experience and engagement across all devices.

Global Hitss - Guadalajara, Jalisco

.NET Developer | DEC 2022 – JUL 2023

- Developed a high-performance web application to enhance call center operations for Grupo Banorte, resulting in an increase in efficiency and user satisfaction.
- Managed Oracle databases, executing complex queries and data operations that facilitated real-time data analysis for decision-making.
- Utilized ASP.NET Webservices for backend management, ensuring secure and efficient data handling and application integration.

SMART TARGET - Remote

Jr .NET Developer | JUL 2022 – DEC 2022

- Designed and developed ecommerce web applications using Razor Pages, resulting in a user-friendly interface that increased customer engagement.
- Maintained MySQL databases, executing efficient CRUD operations that streamlined data management processes.
- Implemented responsive design strategies using Bootstrap and jQuery, ensuring seamless functionality across various devices.

Ramsés Ramírez Vallejo

Freelance - Remote

Web Developer | NOV 2021 – JUL 2022

- Developed web applications using ASP.NET MVC and relational databases, delivering high-quality solutions that meet client requirements.
- Worked with MySQL, SQL Server, and PostgreSQL databases to ensure data integrity and optimal performance.
- Utilized SCSS and SASS for advanced styling, enhancing the visual appeal and responsiveness of web applications.

Products Developed

Dipinto (Fullstack Web Application)

Developed a full-stack ecommerce web application for managing and processing payments, leveraging modern technologies for both backend and frontend development.

Backend:

- Built a robust Web API using Golang, utilizing the Fiber framework for high-performance routing and GORM for seamless database interactions.
- Implemented JWT-based authentication/authorization to ensure secure access to the application.
- Integrated the MercadoPago Golang SDK to handle payment processing, enabling seamless transactions and payment management.
- Utilized PostgreSQL as the primary database, ensuring data integrity and efficient query performance.
- Deployed the backend using Docker, containerizing the application for consistent and scalable deployment across environments.
- Implemented CI/CD pipelines using GitHub Actions to automate the build and push of the Dipinto-API Docker image to Docker Hub, streamlining the deployment process.

Frontend:

- Developed a responsive and user-friendly interface using React with Next.js 15, ensuring optimal performance and SEO-friendly server-side rendering.
- Managed application state using Redux and handled API communication with Axios.
- Styled the application using Tailwind CSS, creating a modern and visually appealing design.
- Integrated MercadoPago SDK for payment bricks components, providing a smooth and secure payment experience for users.

Core Features:

- Secure user authentication and authorization using JWT.
- Efficient payment processing via MercadoPago integration.
- Scalable and maintainable architecture with Golang and PostgreSQL.
- Responsive and intuitive UI built with React, Next.js, and Tailwind CSS.

Tech Stack:

- *Backend:* Golang, Fiber, GORM, JWT, MercadoPago SDK, PostgreSQL.
- *Frontend:* React, Next.js 15, Redux, Axios, Tailwind CSS, MercadoPago SDK.

Website: https://dipinto.mx

POS (Apymsa)

Developed a full-stack Point of Sale (POS) application while working at *Apymsa*, enabling efficient management of products, categories, sales, and transactions.

- **Frontend:** Built a Next.js 14 web application using Redux for state management, Axios for API communication, and Ant Design + Tailwind CSS for a modern, responsive UI.
- **Backend:** Designed .NET microservices, exposing a RESTful Web API with JSON responses to handle CRUD operations.
- **Core Features:**

- Comprehensive product, category, and sales management.
- Intuitive interface for inventory tracking and transaction processing.
- Scalable microservices architecture ensuring performance and maintainability.
- **Tech Stack:** Next.js 14, Redux, Ant Design, Tailwind CSS, Axios, .NET, JSON Web API.

Corporate Landing Page

Developed a dynamic landing page for a corporate website, showcasing expertise in Next.js, Tailwind CSS, and Ant Design. The project achieved a fully responsive design that enhances user experience across all devices.

- **Next.js Framework:** Implemented efficient server-side rendering, resulting in optimized performance and reduced load times.
- **Tailwind CSS:** Utilized for rapid development and customization, creating a visually appealing and responsive layout that adheres to modern design standards.
- **Ant Design Component Library:** Ensured a consistent and polished user interface with high-quality components, leading to improved user engagement.
- **Contact Form Integration:** Facilitated seamless communication between the business and potential clients, contributing to increased lead generation.

[View Landing Page](#)

Golang grpc Microservices

Engineered two core backend projects that exemplify my expertise in microservice architecture, gRPC communication, and Dockerization, providing a robust foundation for scalable frontend development.

- **Cerebro (API Gateway):** Designed and implemented a Golang-based API Gateway, serving as the central nervous system of the microservices ecosystem. Efficiently handled routing, authentication, and load balancing, ensuring seamless communication and scalability across services.
- **CustomerService (Microservice):** Developed a customer-centric microservice in Golang that leverages gRPC for efficient communication with Cerebro, focusing on enhancing operational efficiency and improving response times for customer-related operations.
- **Database Management:** Both projects are backed by a PostgreSQL database, ensuring data integrity and high availability for future integrations.

Repositories: [Cerebro](#) | [CustomerService](#)

Docker images: [Cerebro](#) | [CustomerService](#)

Education

TECNOLÓGICO DE MONTERREY- Jalisco, México.
Biomedical Engineer
- Relevant projects:
  - Vitasim: a patient simulator capable of generating biological signals.

Student Exchanges - Montreal, Canada
- Engineering and language courses | JUN 2017 – JUL 2017

PREPA TEC COLIMA - Colima, México.
- Tec Ambassador | 2015 – 2018