

Joshua Negron

Senior Software Engineer

+14092067441 • joshua.jimenez.negron@gmail.com • <http://www.linkedin.com/in/joshua-jimenez-negron> • Texas City, TX 77590

Summary

Experienced Senior Software Engineer with a strong background in designing, developing, and optimizing web applications across diverse industries. Proficient in building scalable backends with Java, C#, .NET Core and creating dynamic, user-friendly frontends with React and Angular. Skilled in designing and implementing REST APIs and microservices to ensure high-performance, secure data exchange. Known for enhancing operational efficiency through innovative solutions such as real-time tracking systems for aviation and advanced financial reporting platforms. Adept at modernizing legacy systems, optimizing cloud infrastructures on AWS and Azure, and leading end-to-end development of mission-critical platforms. Passionate about utilizing the latest technologies, AI-assisted development and collaborative problem-solving to deliver impactful results.

Experience

Velvetech LLC

Chicago, IL

Senior Software Engineer

09/2021 - 05/2025

- Designed and developed backend systems using Java, Spring Boot, and C#/.NET, focusing on building high-performance microservices and RESTful APIs.
- Integrated SQL Server and PostgreSQL databases, optimizing data access and managing storage through Spring Data JPA and C#/.NET-based solutions.
- Enhanced backend performance by optimizing complex database queries, utilizing Java concurrency for high-throughput operations, and leveraging C#/.NET for specific system components when needed.
- Conducted code reviews and mentored junior developers, promoting best practices in Java and C#/.NET, improving team efficiency and overall code quality.
- Applied robust testing strategies using JUnit, Mockito, and xUnit (C#/.NET), ensuring the reliability and stability of both Java-driven and C#/.NET-based applications.
- Integrated AI tools like GitHub Copilot and ChatGPT for code scaffolding, documentation drafts, and test case generation.
- **Tech Stack:** Java, Spring Boot, C#, .NET Core, PostgreSQL, SQL Server, Spring Data JPA, xUnit, JUnit, Mockito, Git, AWS (EC2, S3, RDS), Docker, CI/CD

Fuelerlinx

Los Angeles, CA

Senior Software Engineer

02/2018 - 08/2021

- Developed and optimized the backend of the Fuelerlinx main application using C# and .NET Core, ensuring high performance and scalability to handle complex aviation data.
- Designed and built FboLinx, a SaaS platform for Fixed Base Operators (FBOs), taking full responsibility for its architecture, development, and deployment, thereby improving efficiency in FBO management.
- Created and maintained RESTful APIs in C# and .NET Core to enable secure, seamless data exchange across platforms, supporting real-time operations.
- Led front-end development of FboLinx with Angular, managing framework upgrades from Angular 2 through Angular 12 to maintain a modern and responsive user interface.
- Developed a live aircraft monitoring feature using Mapbox and Angular, providing real-time tracking and enhanced operational insight into aircraft movements.
- **Tech Stack:** C#, .NET Core, Angular, SQL Server, Mapbox, REST APIs, Docker, Azure App Services, Git

Wipfli

Atlanta, GA

Software Developer

08/2014 - 01/2018

- Developed a client portal for Wipfli's financial services using C#/.NET Core and React.js, enabling small-to-medium businesses to securely process payroll, monitor tax compliance, and generate financial reports.
- Created dynamic, reusable React components for dashboards that displayed real-time financial data, tax deadlines, and compliance alerts, leveraging C#/.NET Core for backend services and business logic.
- Deployed the application to AWS, utilizing EC2 for backend hosting, S3 for document storage (client invoices, tax forms), and DynamoDB for storing audit logs and real-time notifications.
- Shifted relational databases to MongoDB for specific services, such as compliance checklists and financial transaction history.
- Modernized a legacy customer management tool by migrating its frontend from jQuery to React.js, integrating RESTful APIs.
- **Tech Stack:** C#, .NET Core, React.js, AWS (EC2, S3, DynamoDB), SQL Server, REST APIs, Git, Entity Framework

Education

The University of Texas
Bachelor's degree in Computer Science

Dallas, TX
04/2010 - 06/2014

Skills

-
- **Backend:** C#, .NET, .NET Core, Java, REST APIs, Microservices, gRPC
 - **Frontend:** Angular, React Next.js, JavaScript, Typescript, HTML/CSS
 - **Cloud Platforms:** AWS (EC2, Lambda, S3, RDS, ECS Fargate, API Gateway), GCP, Azure
 - **Methodologies:** Agile, Scrum, Kanban, Jira
 - **Databases:** MS-SQL Server, CosmosDB, T-SQL, MongoDB, Oracle, MySQL, PostgreSQL
 - **Tools:** Git, ArcGIS, Mapbox, SignalR, Dapper, Dynamics365, gRPC
 - **DevOps:** Docker, Kubernetes, CI/CD, Jenkins
 - **Testing:** xUnit, MSUnit, Jest, Mocha, Chai, Jasmine
 - **AI Tools:** GitHub Copilot, ChatGPT (code assistance, documentation, test generation)