

# Richard Martinez

## Senior Senior Software Engineer

### SUMMARY

Senior Software Engineer with 10+ years of experience building scalable full stack applications using C#, ASP.NET Core, React, Angular, TypeScript, and SQL Server in enterprise, healthcare, and cloud environments. Skilled in integrating AI features (OpenAI API, Azure OpenAI, semantic search, automation), backend services, RESTful APIs, database optimization, secure authentication (JWT, OAuth2, RBAC), and cloud-native CI/CD deployments (Azure DevOps, GitHub Actions, Docker, Kubernetes). Holds a CS degree and excels in system design, performance tuning, agile practices, code reviews, and mentoring cross-functional teams.

### TECHNICAL SKILLS

|                                                 |                                                                                                                                        |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Main Technical Skills</b>                    | C/C++/C# (9 yr.), .NET Core (4 yr.), ASP.NET Core Framework (7 yr.), React (5 yr.), Angular (7 yr.)                                    |
| <b>Programming Languages</b>                    | Java, JavaScript (9 yr.), Python                                                                                                       |
| <b>JavaScript Frameworks</b>                    | Angular (7 yr.), Express, Node.js, React (5 yr.)                                                                                       |
| <b>.NET Platform</b>                            | ASP.NET Core Framework (7 yr.), Entity Framework (9 yr.), LINQ (9 yr.), .NET Core (4 yr.)                                              |
| <b>C++ Libraries and Tools</b>                  | C/C++/C# (9 yr.)                                                                                                                       |
| <b>AI &amp; Machine Learning</b>                | Hugging Face (9 yr.)                                                                                                                   |
| <b>JavaScript Libraries and Tools</b>           | RxJs (4 yr.)                                                                                                                           |
| <b>Security</b>                                 | RBAC (4 yr.)                                                                                                                           |
| <b>Databases &amp; Management Systems / ORM</b> | MongoDB (4 yr.), MySQL, Redis                                                                                                          |
| <b>UI Frameworks, Libraries, and Browsers</b>   | Ant Design (9 yr.), Bootstrap 4 (4 yr.), CSS3 (9 yr.), HTML5 (9 yr.), Tailwind CSS                                                     |
| <b>Amazon Web Services</b>                      | AWS CloudWatch (4 yr.)                                                                                                                 |
| <b>Azure Cloud Services</b>                     | Azure Application Insights (4 yr.), Azure DevOps (4 yr.)                                                                               |
| <b>Industry Domain Experience</b>               | Banking (9 yr.)                                                                                                                        |
| <b>Methodologies, Paradigms and Patterns</b>    | Agile (9 yr.), microservices architecture (4 yr.), Observer (9 yr.), Scrum (9 yr.), SDLC (4 yr.), Solution Architecture Design (4 yr.) |

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|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>SDK / API and Integrations</b>                   | API (4 yr.), GraphQL, JWT (4 yr.), OAuth (4 yr.), RESTful API (9 yr.), Swagger (4 yr.)                      |
| <b>Scripting and Command Line Interfaces</b>        | Bash, PowerShell                                                                                            |
| <b>Deployment, CI/CD &amp; Administration</b>       | CD DevOps pipelines (4 yr.), Jenkins                                                                        |
| <b>QA, Test Automation, Security</b>                | Code Review (9 yr.), Cypress (4 yr.), Jest (4 yr.), Postman (4 yr.), Selenium (4 yr.), Unit Testing (4 yr.) |
| <b>Virtualization, Containers and Orchestration</b> | Docker (4 yr.), Kubernetes                                                                                  |
| <b>Version Control</b>                              | Git (9 yr.), Github Actions (4 yr.)                                                                         |
| <b>Mail / Network Protocols / Data transfer</b>     | JWT (4 yr.)                                                                                                 |
| <b>Soft Skills</b>                                  | Mentor Aptitude                                                                                             |
| <b>Blockchain and Decentralized Software</b>        | Optimism (9 yr.)                                                                                            |
| <b>Other Technical Skills</b>                       | log (4 yr.)                                                                                                 |

## WORK EXPERIENCE

### Senior Software Engineer - Reco Universal LLC (Enterprise Full Stack Application Modernization and AI-Enabled Business Automation)

**Duration:** May 2023 - Present

**Summary:** Leading development and modernization of enterprise full stack applications, delivering scalable backend systems, cloud-native services, AI-enabled workflows, and responsive frontend platforms supporting business automation and operational efficiency.

**Responsibilities:**

- Designed and developed enterprise applications using C#, ASP.NET Core, React, Angular, TypeScript, REST APIs, Entity Framework, SQL Server, and PostgreSQL.
- Built scalable backend services, reusable API frameworks, and secure integration workflows.
- Developed modern frontend interfaces improving user experience and maintainability.
- Integrated AI-powered features using OpenAI API, Azure OpenAI, semantic search, and automation workflows.
- Implemented authentication and authorization solutions using JWT, OAuth2, RBAC, and audit logging.
- Optimized SQL Server and PostgreSQL performance through query tuning and caching improvements.
- Collaborated with cross-functional teams to define requirements and resolve production issues.
- Mentored junior developers and supported CI/CD pipelines, Docker deployments, and cloud integration workflows.

**Technologies:** C#, ASP.NET Core, React, Angular, TypeScript, REST APIs, Entity Framework, SQL Server, PostgreSQL, OpenAI API, Azure OpenAI, JWT, OAuth2, RBAC, Docker, Azure DevOps, GitHub Actions, RxJS, HTML5, CSS3



## Software Engineer - Inlera Health (Healthcare Full Stack Platforms with AI-Assisted Workflows)

**Duration:** July 2019 - May 2023

**Summary:** Developed and enhanced healthcare-focused full stack platforms supporting clinical operations, healthcare administration, workflow automation, secure data processing, and reporting systems with scalable backend architectures and AI-assisted healthcare application capabilities.

### Responsibilities:

- Designed and implemented healthcare software solutions using ASP.NET Core, C#, React, Angular, TypeScript, SQL Server, PostgreSQL, MongoDB, and RESTful APIs.
- Developed backend services, API endpoints, workflow engines, and data processing modules.
- Built responsive frontend interfaces, dashboards, reporting modules, and reusable UI components.
- Integrated AI-assisted healthcare workflows utilizing OpenAI-powered document processing, intelligent search, automated text extraction, summarization, and classification-based automation.
- Designed and optimized relational database structures and Entity Framework data access layers.
- Improved backend reliability and scalability through query optimization, asynchronous service execution, caching, and frontend rendering performance.
- Collaborated with healthcare stakeholders, QA, DevOps, and project managers in agile environments.
- Supported cloud infrastructure and CI/CD operations using Azure, AWS, Docker, Git workflows, and monitoring systems.

**Technologies:** ASP.NET Core, C#, React, Angular, TypeScript, SQL Server, PostgreSQL, MongoDB, RESTful APIs, OpenAI API, Azure OpenAI, Entity Framework, Azure, AWS, Docker, Git

## Full Stack Developer - NetSwagger (Enterprise Web Applications and Backend Systems Development)

**Duration:** Aug 2015 - Jul 2019

**Summary:** Contributed to the design, development, enhancement, and support of enterprise web applications and backend systems, focusing on full stack software engineering, API development, database architecture, frontend modernization, and scalable application delivery.

### Responsibilities:

- Developed enterprise web applications using C#, ASP.NET MVC, .NET Framework, JavaScript, Angular, jQuery, HTML5, CSS3, Bootstrap, SQL Server, Entity Framework, and REST APIs.
- Built backend modules, API integrations, controller logic, service layers, validation components, and data access services.
- Designed and implemented interactive frontend features including dashboards, forms, reusable UI components, and responsive layouts.
- Maintained and optimized SQL Server databases with stored procedures, views, indexes, and optimized queries.
- Implemented authentication, authorization, session handling, logging, exception management, and validation mechanisms.
- Participated in modernization initiatives by refactoring legacy codebases and improving frontend and API layers.



- Collaborated with senior engineers, project managers, QA teams, and stakeholders in agile environments.
- Performed debugging, unit testing, API testing, deployment support, and production troubleshooting.
- Supported software development lifecycle activities including documentation, source control, build configuration, release coordination, and maintenance.

**Technologies:** C#, ASP.NET MVC, .NET Framework, JavaScript, Angular, jQuery, HTML5, CSS3, Bootstrap, SQL Server, Entity Framework, REST APIs

## EDUCATION

- **The University of Texas at El Paso**  
Bachelor's Degree, Computer Science  
Sep 2011 - May 2015

