ALAN RUBIO

Senior Software Engineer / Full-Stack Developer
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PROFESSIONAL SUMMARY

Software engineer with 14+ years of experience building web applications, REST APIs, and enterprise systems with Ruby on Rails, .NET, Angular, and React. Experience modernizing legacy applications, serving as a technical lead, and delivering software for construction, digital signatures, judicial case management, and ERP workflows. Collaborated with international English-speaking teams on Autodesk projects.

TECHNICAL SKILLS

Backend: Ruby, Ruby on Rails, Active Record, Active Job, ASP.NET MVC, .NET Core, REST APIs, Entity Framework, ADO.NET, WCF; .NET 8 in personal projects.

Frontend: React, Angular, AngularJS, JavaScript, TypeScript, HTML, CSS, Bootstrap, jQuery, Knockout.js.

Scripting & automation: Python. Service execution: Docker.

Data & testing: SQL Server, PostgreSQL, MongoDB, RSpec, xUnit, Coverlet.

Architecture & delivery: Layered architecture, SOLID, Unit of Work, Hangfire, OAuth, Swagger, IIS, Agile Scrum.

PROFESSIONAL EXPERIENCE

Globant | Software Engineer

Apr 2022 - Sep 2026

- ProEst: Built an Excel import feature with a Ruby backend and React frontend that loaded 10,000 records in approximately 20 seconds, replacing manual data entry.
- 360 Field: Contributed to the migration from Ruby on Rails 4 to Rails 6, resolving gem compatibility issues and adapting automated tests with RSpec.
- Autodesk / TradeTapp Risk: Contributed to an approximately 11-month enterprise application migration from AngularJS to Angular 12, migrating existing frontend components and functionality using Angular and TypeScript.
- Autodesk / TradeTapp Risk: Used Python for scripts and automation, Docker to run services, and MongoDB for queries and data.

Interfactura | Senior Software Engineer

Jun 2018 - Apr 2022

- Judicial Branch of Nuevo León: Served as developer and technical lead for a digital case management system supporting civil oral, commercial, and family courts. Used ASP.NET MVC, SQL Server, Entity Framework, WCF, and Xamarin.
- Verification: Designed and implemented an API for Credit Bureau, SAT list, and PL list checks using .NET Core 2, SQL Server, OAuth, and Swagger, with xUnit and Coverlet for testing and coverage.
- Literax: Contributed to an electronic and digital signature solution using Ruby on Rails, PostgreSQL, MongoDB, and Angular.

MASTERVIEW | Senior Software Engineer

Mar 2016 - Jun 2018

- Developed consolidation, electronic accounting, sales, purchasing, and inventory modules for an ERP spanning the accounting cycle.
- Implemented application features with ASP.NET MVC 4, Knockout.js, JavaScript, and SQL Server; developed reports using Reporting Services.

Definity First | Software Consultant

Jun 2014 - Feb 2016

- I’m Responding: Developed and supported a medical and fire emergency response system using ASP.NET, ADO.NET, and Web API. Monitored servers and deployed software releases.
- Ofiview: Maintained and enhanced purchasing, sales, and inventory functionality in an ERP built with ASP.NET MVC and Knockout.js. Coordinated incident resolution and software releases.

PROFESSIONAL EXPERIENCE - CONTINUED

Axsis Tecnología | Software Developer

Jul 2013 - Jun 2014

- Johnson Controls / Virtual Branch: Coordinated and developed responsive updates to the customer and sales portal using Bootstrap, ASP, ASP.NET, JavaScript, jQuery, HTML5, and CSS3; developed WCF web services for its migration from Classic ASP to ASP.NET MVC 4 with Oracle.
- Red Efectiva: Developed a desktop application for bus ticket selection and sales using .NET Framework 4.5, web services, and reporting. Grupo Pol / CORE: Developed an Android application for tracking field crew work orders using Xamarin, Mono Android, and WCF.

Sygno IT | Software Developer

May 2013 - Jul 2013

- Maintained AutoNet functionality for insurance policy quotations, issuance, endorsements, and printing using C#, .NET Framework 2.0, web services, SQL Server 2008, JavaScript, jQuery, and Team Foundation Server.

TotalTech | Maintenance and Support Manager / Senior Developer B

Mar 2012 - May 2013

- Coordinated incident resolution, system maintenance, change control, and software implementations; served as project lead using CMMI practices. Coordinated technical support, maintained server availability, and documented routine procedures.
- Used C#, .NET Framework 2.0/3.0/4.0, web services, SQL Server 2008, Visual SourceSafe, Visual Basic 6, Report Viewer, and Telerik.

PERSONAL PROJECT

AI-Powered Software Development Automation

2025 - 2026 | .NET 8, SQL Server, Hangfire, IIS

- Developed a REST API to coordinate software creation from an initial proposal through deployment of both the API and frontend to IIS.
- Structured the solution in layers using SOLID principles and the Unit of Work pattern to coordinate persistence operations.
- Integrated third-party AI services and a local agent to execute workflow tasks, including project execution and file creation.
- Implemented asynchronous background processing with Hangfire and a state machine to control workflow stages; persisted results in SQL Server.

EDUCATION

Coursework in Computer Systems Engineering

Instituto Tecnológico Superior de Cajeme

Degree not completed; one course remaining.

LANGUAGES

Spanish: Native.

English: Professional experience collaborating with English-speaking teams on Autodesk projects.