

Alexander Rodriguez

EDUCATION

FLORIDA INTERNATIONAL UNIVERSITY – MIAMI, FL
Bachelor of Science in Computer Science

TECHNICAL SKILLS

Technical Strengths Angular 2+ | TypeScript | C# | ASP.NET Core | HTML | CSS | MongoDB | SSMS | OpenCV | SQLite | Azure | MySQL | GraphQL

Libraries/ Frameworks SignalR | Bootstrap | Angular Material | Kendo UI (Angular 2+), NgRx

WORK HISTORY

Software Engineer

CONTRACT LAND STAFF – REMOTE - CONTRACT

NOV 2022 – Present

- Actively maintained and developed full stack development efforts for LINK®, focusing on Angular 2+ with the Kendo UI library on the front end, while using .Net (Version 6) for the backend, and Azure for ADO authentication and Application Insights.
- Worked with Apollo Angular for GraphQL queries, enhancing data retrieval and management on the front end.
- Utilized MySQL for the data layer, contributing to a comprehensive, end-to-end solution.

Software Engineer

TRANSCORE – REMOTE - CONTRACT

JUN 2021 – OCT 2022

- Developed and maintained Integrity® software and driveez.com.
- Adhered to Agile methodology with bi-weekly sprints.
- Utilized Angular 8, Typescript, CSS, HTML, and Angular Material for client-side integration.
- Employed .Net (Version 5) to add modular functionality, including SignalR.
- Preferred Visual Studio Code for client-side and Visual Studio 2019 for server-side development.
- Proficient with Swagger for API testing.
- Experienced with SMSS for data querying, deletion, and debugging stored procedures.
- Conducted code reviews within the JIRA environment.

Software Engineer

HALLIBURTON – REMOTE - CONTRACT

JUN 2020 - MAY 2021

- Led a 12-member team in developing, maintaining, and training for the Baralogix® web application, used for optimizing drilling operations on onshore and offshore oil rigs.
- Applied Agile methodology, including bi-weekly sprints and daily stand-up meetings, for bug resolution, testing, code reviews, and client-requested changes.
- Utilized Angular 7, Typescript, CSS, HTML, and Bootstrap for client-side functionality and API integration, handling dynamic functionalities with Angular's lifecycle hooks and asynchronous functions.
- Leveraged ASP.Net Core (Version 3.2) for modular features like SignalR and Azure services on Azure Cloud.
- Developed hub connections for web socketing using SignalR and integrated Azure services.
- Used Visual Studio Code for client-side and Visual Studio 2019 for server-side development.
- Proficient with Swagger for API testing and experienced in MongoDB for data querying and manipulation.
- Conducted code reviews in Azure DevOps for thorough tracking and management of features, bug fixes, and pull requests.
- Deployed changes to Production after successful User Acceptance Testing (UAT) or 'field testing.'

Software Engineer

ACCELIRATE – SUNRISE, FL

MAY 2019 – MAY 2020

- Followed Agile methodology with weekly sprints and having a standup meetings daily to discuss defects, testing, code reviews, & potential features per client request.
- ASP.Net Core (Version 3.1) was the lightweight platform used to add modular functionality such as SignalR, ML.NET, Azure services support and was the platform of choice since the application is planned to be cross-platform.
- With C# I implemented controllers with its endpoints to communicate HTTP services with the database under token based authorization, along with creating hub connections for web socketing using SignalR, and to integrate Azure services to the hub connections as well. Backend input validation was also implemented for the product.
- Visual Studio 2019 being IDE of choice for Server-side & primarily use Visual Studio Code for Client-side. Angular 7 along with Typescript was used to integrate API endpoints to Databind Frontend items to Serverside data which was designed in modular fashion by using components for individual functionalities for the client facing interface. I also handled URL routing for page navigation, and applied input form handling and client side validation including alerts and notifications using Angular Toastr. Experienced with Swagger to test and run API transactions.
- The Angular Material library provided me the tools to further style and customize the components provided by Angular to the preference of the Product Owner.
- Experienced in Microsoft SQL Server Management Studio 2018 which was mainly used to query and view data from related databases and to create and alter T-SQL statements.
- All code reviews were done under the Azure DevOps environment so we can thoroughly check and mark off completed features and defected items, once UAT is completed with the client post code freeze we can then deploy changes to Production.
- The project was showcased at the UiPath Forward III 2019 in Las Vegas

.Net Developer Internship

UNIVERSITY OF MIAMI – MIAMI, FL

MAY 2018 – DEC 2018

- Implemented core functionality for a tool used to detect brain tumors with DICOM MRI scanned images using the REMBRANDT data set.
- Employed C# to create controllers and define endpoints for communication with the backend services, incorporating token-based authorization for secure data access.
- Collaborated with Microsoft SQL Server Management Studio 2017 to query and manipulate data from relevant databases, crafting and modifying T-SQL statements.
- Maintained and created new functionality and screens using Angular 6 for the frontend.