JORGE RAMIREZ

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OBJECTIVE

Detail-oriented full-stack software developer with a track record of supporting multiple concurrent projects, quickly mastering new codebases, and delivering solutions across React, Angular, .NET, cloud integrations, and automated pipelines. Experienced in secure government and enterprise systems.

EXPERIENCE

NV5 | AXIMGEO – GIS Applications Developer

Remote | Nov 2021 – Oct 2025

Arlington National Cemetery Team
- Designed the end-to-end workflow for the new COP (Common Operating Picture) Maps feature, creating wireframes and defining user interactions to replace the team's manual PowerPoint mapping process.
- Built a React/MUI gallery and implemented .NET/EF Core endpoints to manage map metadata and persist COP map state to the database.
- Engineered full save/load capabilities for COP maps, serializing ESRI JS SDK layers, shapes, icons, and metadata to the database and restoring saved map states when users reopened a map.
- Developed a custom Lexical WYSIWYG editor and extended Lexical with custom nodes for serializing embedded SVG symbols through backend APIs.
- Migrated DigSlip PDF generation process to the front end using a JavaScript PDF library.
- Developed new functionality using the Backone JavaScript framework for the CMS app.
- Enhanced back-end functionality of a .NET API written in C#, resolving bugs and adding new features as needed.

Explosives Safety Siting Team
- Implemented CAC-based authentication and JWT session validation in a .NET backend for a secure DoD web application.
- Built the new-user access request form using Angular Forms, incorporating existing validation logic and auto-populating user identity fields from the backend.
- Built a .NET DI service integrating AWS SES to send automated onboarding notifications

Georeadiness Team
- Streamlined deployment processes by standardizing Jenkins pipelines for Python repositories.
- Improved package management by migrating NPM and PIP repositories to Azure Artifacts.
- Maintained and added new features to a large Python script automating the process of adding custom widgets to servers with an ArcGIS Portal install.
- Enhanced current JavaScript repositories by increasing test coverage using JEST and React Testing Library.

General Services Administration
- Enhanced ESRI Web AppBuilder application by creating custom widgets using the Dojo toolkit library.
- Collaborated with a solution engineer to enhance web map functionality and introduce new features.

TSG Solutions – GIS Web Developer

Joint Base Andrews, MD | Dec 2019 – Nov 2021

ANG GeoBase
- Managed a Web Map Viewer hosting GIS data for the Air National Guard using IIS Server, ArcGIS Enterprise Server, and MySQL.
- Developed new features, including a customized Print Widget and an S-File tool for floor plan navigation.
- Created and published new map services on ArcGIS Enterprise Server.
- Developed Python scripts using ArcPy for Real Property Dataset updates.
- Generated standardized geospatial data reports for Air National Guard installations using Python.

HORUS Technology Solutions – Front End Developer

McLean, VA | June 2018 – Sept 2019
- Developed forms for Grants.gov using Node.js, Express.js, MongoDB, jQuery, and Knockout.js.
- Deployed code updates to Development and Testing environments using Linux scripts and GitHub.

• Worked with quality assurance testers to streamline communication between developers and testers.

EDUCATION

University of Maryland, College Park

B.S. in Geographical Information Systems & Computer Cartography, May 2018

CERTIFICATIONS & TECHNICAL SKILLS

• AWS Cloud Practitioner (Validation: 8B5J0TX1EBVQ1Y31)
• Certified ScrumMaster (CSM)
• Security+ (COMP001021617199)

Programming Languages

• JavaScript, TypeScript, C#, Python, SQL, HTML5, CSS

Frameworks & Libraries

• React, Angular, EF Core, Backbone.js, Knockout.js, MUI, JEST, React Testing Library, Lexical

Tools & Technologies

• .NET, ASP.NET, ESRI ArcGIS JS SDK, ESRI Web AppBuilder, PostgreSQL, ArcMap, ArcGIS Enterprise Server, ArcPy, AWS SES, Jenkins, Azure