

# JORGE RAMIREZ

jorgeramirez927@gmail.com | (301)-256-7179

## 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 Backbone 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

---

- Certified ScrumMaster (CSM)
- CompTIA Security+ (COMP001021617199) Issued:2020-02-07 Expires:2026-02-07

### 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