**SUMMARY:**

* Experienced professional with 7 years of development in Web GIS Applications using ArcGIS Server 10.6.1 and above with Angular, Typescript, JavaScript API DOJO/jQuery/HTML5/CSS.
* Data conversion including CAD, CSV, JSON data to GIS & vice versa using ETL tools like FME.
* Metadata creation & maintenance, raster data processing for Land Base Analysis and Deep learning Object Detection.
* Experience in using ArcGIS online & Portal for ArcGIS, creating Web App builders and Customizing Widgets.
* Creating and securing map services using ArcGIS for Server 10.6.1 and above.
* Enterprise Geodatabase Administration including Create, Load, Import, Export, Versioning, Reconcile and posting data using Arc Catalog to ArcSDE SQL Server and Oracle.
* Administering TFS source control -Team Foundation Version Control (TFVC) for handling file versions, storage and build automation.
* Software Development Life Cycle (SDLC) understanding i.e., execution models, lifecycle stages and deliverables across software development and application support based on service levels in Agile and Waterfall methodology.
* Well versed in various source control tools like SVN, GIT, CVS and Tortoise SVN.
* Good experience developing Object-Oriented and concepts in building reusable code.
* Experience with both SVN and GIT Source code repositories and GIT interfaces like Source Tree.
* Hands on experience in using various Project Management Tools like SVN, JIRA, Contour and Code Collaborator.
* Experience in working with REST web services.
* Good at establishing detailed usability and design guidelines for product development based on industry best practices and competitive benchmarking.

**Technical competencies:**

**GIS:** ArcPro, ArcMap, Model Builder, ArcGIS Server, ArcGIS Portal, Arc Scene, ArcGIS Online, Geocortex, ArcGIS API for JavaScript, JavaScript, Angular, CSS, HTML, SQL, Oracle 19C, FME.

**Design Utility:** AutoCAD 2016.

**Project Management:** MS Office, MS Visio and MS Project.

**Web Development:** MVC, HTML5, JavaScript, CSS3, Web API.

**Scripting Languages:** Angular, JavaScript and PHP.

**Ancillary software:** MS SQL Server 2016, Oracle 19c, POST GIS.

**Versioning Tools**: Microsoft Team Foundation Server, Azure DevOps, GitHub.

**Professional Experience:**

|  |  |  |
| --- | --- | --- |
| ***Client:*** | ***Pacific Gas & Electric Company*** | ***Jun 2021 – Present*** |
| ***Role:*** | ***GIS Developer*** |  |
| * Development Web map application created in ESRI ArcGIS Server using JavaScript API to loading all Electric data i.e., Switches, Transformers, Electric Lines on the map. Mappers performing for spatial and attribute queries and search tracking the data and also provide online editing functionality to modify any changes.
* Collaborating with the QA team throughout system, integration, and user acceptance to ensure that all defects are understood, prioritized, and addressed efficiently instrumental in carrying out 72 hours of go-live plan dealing with multiple internal, external teams located in different regions.
* Design and Development of enterprise Geodatabase using Arc Catalog, ArcGIS SDE and Oracle environment.
* Performed the requirement analysis, designing, development, testing and documentation.
* Installed and Configured ArcGIS Desktop and ArcGIS Server.
* Automated GIS tasks by preparing Python Add-ins scripts such as intersect, adding fields/deleting Unnecessary fields. Populate missing attributes, Remove invalid records (null data records, etc.)
 |

|  |  |  |
| --- | --- | --- |
| ***Client:*** | ***EPEnergy,* Houston, TX** | ***Jan 2020 – May 2021***  |
| ***Role:*** | ***GIS Developer*** |  |
| * Development of web-based projects module for the utility Transaction Event Tracker (TeT) application utilizing. Angular, ArcGIS API for JavaScript, DOJO, REST, and HTML5.
* Developed custom scripts and add-ins for ESRI applications, PowerBI, SharePoint Online, and Spotfire.
* Administered and developed team SharePoint site along with supporting ETL processes for document management.
* Created and maintained Power Automate workflows and PowerApps based client solutions for team operations.
* Mentored technicians, scientists, and engineers on GIS principles, ArcPy scripting, and spatial ETL workflows.
* Created operational Dashboards for analytics on live events feeds from Map services.
 |

|  |  |  |
| --- | --- | --- |
| ***Client:*** | **City of Dallas, Dallas, TX** | ***Jun 2017 – Dec 2019*** |
| ***Role:*** | ***GIS Developer*** |  |
| * Automated GIS tasks by preparing Python Add-ins scripts such as intersect, adding fields/deleting unnecessary fields. Populate missing attributes, Remove invalid records (null data records, etc.
* Developed Python Add-in tool for Generalization to reduce the vertex count for track centre line data without changing the geometry shape.
* Developing GIS Web map application which was created in ESRI ArcGIS for Server using JavaScript API/HTML/DOJO/CSS. Petroleum engineers were doing well search for spatial and attribute queries and editing data on top of the map.
* Design and Development of enterprise Geodatabase using Arc Catalog, ArcGIS SDE and Oracle environment.
* Develop custom tools, including the ability to select and retrieve attributes from a single, or multiple event details by API codes.
* Involved in developing application architecture Design and development of new solution
* Technical and application user guide documentation.
* Responsible for quality deliverables to onsite.
* Coordination with onsite manager and customers Following of Chevron compliance processes Following of Chevron Incident, change and release management.
* Create a linear geographic representation of pipeline As-Builts in ArcSDE environment using ArcGIS. The process includes launchers, receivers, meter stations, pipe replacements, pipe reroutes, river crossings, and legacy and historical alignment sheets, mill test reports, hydrostatic tests, CAD files, GPS points, valve.
* Developed and modified **triggers, packages, functions** and **stored procedures** for data conversions.
 |

|  |  |  |
| --- | --- | --- |
| ***Client:*** | ***Bharati Airtel, Bangalore, India***  | ***Aug 2014 – Jul 2015*** |
| ***Role:*** | ***GIS Developer*** |  |
| * Development of GIS Web map application which was created in ESRI ArcGIS for Server using JavaScript API/HTML/DOJO/CSS.
* Geoprocessing Python scripts for this project for getting length of features that are intersecting within 7.5x7.5 degrees each cell and report the total length for each polygon feature class. And also, an Automation tool is developed for Quality checks like Topological Errors, Attribute Errors .
* Analyze and interpret data from various sources such as alignment sheets, As-Built drawings, leak maintenance and exposed pipe (LMEP) reports, data tables, ILI data, and etc. for VTC purposes.
 |

**Education:**

* **Master’s degree in computer science:** (Graduated in 2017) / Chicago State University - Chicago, IL.
* **Bachelor’s degree in computer science:** (Graduated in 2014) / JNT University – Kakinada, India.

**References:** Provided upon request…