

Job Title:	Software Developer/GIS Analyst (IMC00201)		
Location:	Sterling, VA	Travel Required:	Minimal
Level/Salary Range:	Dependent on qualifications	Position Type:	Full-Time
Date Posted:	6/3/20	Posting Expires:	When Filled
Mandatory Job Requirements:	<ul style="list-style-type: none"> • 2-4 Years Software Development Experience development projects • HTML, JavaScript (including libraries such as jQuery and Dojo), CSS, XML, Python scripting • GIS fundamentals (coordinates, projections, spatial analysis, etc.) and experience with ESRI ArcGIS Desktop, ArcGIS Pro, and ArcGIS Server/Portal • Must be willing and able to successfully complete a DoT background investigation for the position 		
Applications Accepted By:			
E-mail: Michelle Might, Corporate Recruiter, michelle.might@imcva.com Email Subject Line: Software Developer/GIS Analyst (IMC00201)			
Job Summary			

The Software Developer/GIS Analyst is responsible for developing web and desktop applications and providing GIS, database, and development support for multiple Federal agencies. The position also requires the individual to perform data analysis and work on our reporting platforms. This project is in support of the Federal Highway Administration, Eastern Federal Lands Highway Division, and the position will be located in Sterling, VA.

Job Duties: *The position will include, but is not limited to, the following tasks:*

- Design, develop, maintain, administer web-based GIS applications
- Merging data between multiple sources and verifying data integrity
- Importing data from external Federal agency sources
- Assist with conversion of data to proper latitude/longitude coordinates
- Installation of ESRI ArcGIS desktop application and ADDINS
- Performing QA/QC activities as defined by the application
- Resolving duplicate records
- Designing, developing, and maintaining relational geodatabases
- Developing PL/SQL subprograms to automate and optimize enterprise geodatabases using ArcSDE and Oracle
- Assisting project managers in data collection as well as report development and creation

Required Qualifications and Skills:

Note: These are mandatory items that all candidates must have when making application to IMC for this position. Please ensure that your submission addresses each of these requirement items. Candidates without these required elements will not be considered.

- 2-4 years of experience working on software development projects
- Understanding of software development lifecycle processes
- Web and desktop development technologies: HTML, JavaScript (including libraries such as jQuery and Dojo), CSS, XML
- Python scripting
- Understanding GIS fundamentals (coordinates, projections, spatial analysis, etc.)
- Experience with ESRI ArcGIS Desktop, ArcGIS Pro, and ArcGIS Server/Portal

- Knowledge of relational database architecture, administration, and management in Oracle, Microsoft SQL Server, and Microsoft Access
- SQL and Oracle PL/SQL development
- Experience with enterprise data QA/QC
- Experience with software testing
- Experience installing software applications
- Excellent communication skills (oral and written)
- **Must be willing and able to successfully complete a DoT background investigation for the position.**

Desired Qualifications and Skills: *It is desirable that the candidate has the following qualifications:*

- Agile software development with Scrum
- Web and desktop development technologies: HTML5, C#, ASP.NET MVC/WCF Web services, VB.NET
- Experience creating, editing, analyzing, and managing spatial data using ArcGIS Desktop (ArcMap, ArcCatalog, and ArcToolbox)
- Linear Referencing in ArcGIS 9.x and 10.x
- Performing cartographic mapping
- Data projection into different coordinate systems
- Installation and management of ArcGIS Server/Portal
- Creation and management of services for ArcGIS Server/Portal
- Installation and management of ArcSDE
- Creation and management of enterprise geodatabases using ArcSDE and Oracle
- Knowledge of Python scripting for customizing ArcGIS Geoprocessing tasks
- Google Earth and KML
- ESRI ArcPad
- ESRI mobile collection apps (Collector for ArcGIS, Survey123, etc.)
- Skills to quickly adapt to rapidly changing software platforms to take advantage of GIS software advances
- Oracle SQL Developer
- Crystal Reports
- Microsoft Internet Information Services (IIS)
- Microsoft Visual Studio
- Microsoft Team Foundation Server (TFS)
- GitHub
- FME Server
- Geocortex

Background Information:

Innovative Management Concepts, Inc. (IMC), a Service-Disabled, Veteran-Owned Small Business, provides a broad range of information technology services to government and commercial clients. Since its founding in 1989, IMC has offered solutions and expertise in: IT operations and maintenance, cyber security, systems and network engineering and support services, cloud/hosting services, software engineering and development, website services, software quality assurance and testing (including IV&V), and project management. IMC is certified in International Organization for Standardization (ISO) 9001:2015 Quality Management, ISO 27000:2013 Information Technology Security Management, and ISO 20000:2011 Information Technology Service Management. Find out more about IMC at www.imcva.com.

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law.