**CANDIDATE QUALIFICATIONS**

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| Solicitation Number: 529601538 | Title/Level: Applications Architect 3 |
| Candidate Name: Ross Clark | Category: Applications/Software Development |

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| **Minimum Requirements:** Candidates that do not meet or exceed the **minimum** stated requirements (skills/experience) will be displayed to customers but may not be chosen for this opportunity. | | | |
| Actual Years Experience | Years Experience Needed | Required/ Preferred | Skills/Experience |
| 20 | 8 | Required | • Bachelor’s or master’s degree in Geography, GIS, Computer Science, Public Health, or related field. (ignore Required Years) |
| 20 | 8 | Required | • 7+ years of professional experience in GIS, with at least 3 years in a lead or architect role in cloud architectures, preferably in health, human services, or government sectors. |
| 20 | 8 | Required | • Expert-level proficiency in Esri ArcGIS (including ArcGIS Pro Advanced database management and network analyst toolboxes), including data management, geocoding, spatial analysis, and web mapping application development. |
| 15 | 8 | Required | • Demonstrated experience in geospatial governance, including policy development, stakeholder engagement, and decision-making frameworks. |
| 15 | 8 | Required | • Develop and maintain geospatial data architectures, workflows, and metadata standards to support enterprise mapping and analytics needs. |
| 15 | 8 | Required | • Coordinate and collaborate with internal teams, external partners, and stakeholders to gather requirements, define governance frameworks, and ensure effective data sharing and integration. |
| 20 | 8 | Required | • Oversee the creation and management of GIS datasets, including demographic, socioeconomic, health, and program data, ensuring accuracy and completeness. |
| 20 | 8 | Required | • Strong knowledge of data management principles, metadata standards, and data quality assurance. |
| 20 | 8 | Required | • Excellent communication, technical writing, and stakeholder management skills. |
| 20 | 8 | Required | • Ability to manage multiple projects, prioritize tasks, and work independently. |
| 5 | 5 | Preferred | • 5+ years of experience working with SQL Server Enterprise Geodatabases leveraging ArcGIS tools for management of geospatial data. |
| 10 | 5 | Preferred | • 5+ years of experience with Python and SQL, including writing functions and procedures. |
| 10 | 4 | Preferred | • Lead the design, implementation, and governance of ArcGIS-based geospatial solutions for mapping healthcare clients and provider locations, ensuring data quality, security, and compliance with state and federal policies and procedures. |
| 15 | 4 | Preferred | • Mentor and guide GIS analysts and developers, providing best practices for spatial analysis, web mapping, and data visualization using ArcGIS tools. |
| 10 | 4 | Preferred | • As the single point of contact for the IT organization, collaborate and coordinate with GIS data analysts and data scientists to: Establish and enforce geospatial data management policies, documentation standards, and quality assurance processes. |
| 0 | 3 | Preferred | • Familiarity with Medicaid, public health, or social services programs, systems and datasets. |
| 5 | 3 | Preferred | • Custom web-based application interfaces and tools. |
| 5 | 2 | Preferred | • 2+ years of experience working in an agile/scrum development lifecycle environment. |
| 0 | 1 | Preferred | • Certifications in GIS (e.g., Esri Enterprise System Design Professional or Esri ArcGIS Enterprise Administration Professional, GISP). |
| 0 | 1 | Preferred | • Experience leveraging machine learning and LLMs for data extraction, cleaning, and documentation |
| 0 | 1 | Preferred | • GeoAI for spatial data analysis and prediction and/or generative AI to enhance various aspects of Geospatial Analytics Platforms. |
| 0 | 1 | Preferred | • Experience with Snowflake Data Warehouses, especially as a source/target for ArcGIS integrations. |

**Ross Clark  
Geospatial Architect & IT Leader**

**Austin, TX**

**Professional Summary:**

Results-driven GIS and IT leader with over 20 years of experience architecting and managing enterprise geospatial solutions across government, utilities, and private sector environments. At the **City of Austin**, directed one of the largest municipal GIS programs in Texas, leading enterprise migrations, SQL Server Enterprise Geodatabase management, and governance frameworks serving 1,500+ daily users. Expertise in **Esri ArcGIS (Pro, Enterprise, Online, Utility Network), SQL Server Enterprise Geodatabases, Python scripting, and SQL functions/procedures** to support large-scale geospatial data management and analytics. Proven success in establishing **enterprise data standards, metadata frameworks, and QA/QC processes** to improve data quality, compliance, and operational efficiency. Skilled in overseeing the **full lifecycle of GIS and IT projects**, from requirements gathering and architecture design to implementation, stakeholder engagement, and long-term governance. Recognized for excellence in public sector leadership, vendor management, and multi-million-dollar program oversight.

**Key highlights:**

* **20+ years of GIS experience** with 10+ years in senior leadership roles (Manager, Supervisor, Project Manager, Principal Consultant).
* **Architected and governed enterprise GIS programs** for the City of Austin, including creating governance boards, standards, and regional planning councils.
* **Expert in Esri ArcGIS** (Pro, Enterprise, Online, Experience Builder, Web App Builder, Field Maps, Utility Network).
* Extensive experience in **requirements gathering, stakeholder management, and project governance** for large-scale, cross-departmental programs.
* Skilled in **Python scripting, SQL, metadata standards, QA/QC, and geospatial data architectures**.
* ITIL V3 Certified with strong knowledge of **IT governance, vendor management, and Agile/Waterfall methodologies**.

**Technical Skills:**

* **GIS & Mapping:** Esri ArcGIS Pro, ArcGIS Desktop, ArcGIS Enterprise, ArcGIS Online, ArcGIS Solutions, Field Maps, Web App Builder, Experience Builder, Utility Network Migration, Geometric Network
* **Data & Databases:** SQL Server (Enterprise Geodatabases), Geospatial Data Architectures, Metadata Standards, QA/QC, Data Warehousing, GPS Data Collection, LiDAR
* **Programming & Scripting:** Python (custom tools, automation, GIS analysis), SQL (queries, procedures), VBA
* **Project Management:** Agile, Waterfall, Microsoft Project, Azure DevOps, Resource Planning, Budget Management, Vendor & Contract Management
* **Collaboration & Productivity:** Microsoft 365 (Teams, Visio, OneNote, Planner), Google Docs
* **Other Tools:** Adobe Photoshop, Adobe Acrobat
* **Certifications:** ITIL V3 Certified

**Professional Experience:**

**Southside Geospatial Solutions — Principal Aug 2023 – Present**

**About the Company:** Independent geospatial consulting firm providing GIS architecture, solutions, and project management across public and private sectors.  
 **About the Project:** Leading multiple GIS solution engagements, focusing on enterprise architecture, data management, and governance.  
 **Responsibilities & Achievements:**

* Serve as lead consultant and project manager for multiple customers.
* Leverage decades of **GIS experience** to provide enterprise architecture and solution design.
* Provide project leadership, stakeholder engagement, and governance best practices.

**Texian Geospatial and Asset Services, Inc. Oct 2022 – Aug2023  
Senior Project Manager**  
**About the Company:** Provides asset collection and geospatial services to utilities and infrastructure organizations.  
 **About the Project:** Managed large-scale GIS and asset collection projects for water utilities.  
 **Responsibilities & Achievements:**

* Directed asset collection projects across multiple utilities.
* Introduced **standards and best practices in GIS and project management**.
* Implemented **Microsoft 365 environment** across the organization.
* Led **requirements gathering, scheduling, resource management, and budget monitoring**.
* Performed **Python scripting, ArcGIS Solution Deployment**, Experience Builder & Web App Builder apps, Field Maps configuration, and GIS analysis.
* Developed **Python** automation scripts for **ArcGIS** workflows (data processing, analysis, and map generation).
* Wrote **SQL queries** and stored procedures to support **GPS data collection**, validation, and reporting.

**HDR, Inc Mar 2022 – July 2022**

**Data Manager**  
**About the Company:** A global engineering, architecture, and consulting firm.  
 **About the Project(s):** Led GIS and data management for Project Connect, Austin’s light rail initiative.  
 **Responsibilities & Achievements:**

* Served as **project manager and task lead** for geospatial and information management components.
* Oversaw requirements gathering, scheduling, resource management, and budget monitoring.
* Provided regular communications to HDR leadership, client executives, and project stakeholders.

**City of Austin, TX (Retired) Oct 2019 – Mar 2022**

**Senior IT/GIS Project Manager**  
 **About the Company:** Austin’s city government, overseeing municipal infrastructure and services.  
 **About the Project:** Managed multiple enterprise GIS projects for Austin Water utility.

**Responsibilities & Achievements:**

* Served as PM for **enterprise GIS projects** using Agile & Waterfall.
* Handled **requirements gathering, resource management, vendor management, and budget oversight**.
* Administered and optimized **SQL Server Enterprise Geodatabases** supporting **Austin Water’s** enterprise GIS environment.
* Leveraged **ArcGIS Pro** and **ArcGIS Enterprise** to manage and integrate geospatial datasets into **SQL Server**.
* Delivered **hands-on ArcGIS Pro support** for utility staff.
* Reported project status to city leadership and stakeholders.

**City of Austin, TX Feb 2012 – Oct 2019  
Corporate IT/GIS Manager**

**About the Project:** Oversaw citywide GIS program and enterprise architecture.  
 **Responsibilities & Achievements:**

* Managed **enterprise GIS program for ~1500 daily GIS users**.
* Supervised **25 staff members** and managed a **$9M annual budget**.
* **Founded GIS Governance Board** and chaired regional GIS planning council.
* Directed citywide enterprise GIS environment for ~1500 daily users, with core data stored in **SQL Server Enterprise Geodatabases**.
* Migrated datasets and applications to **ArcGIS Pro** and **ArcGIS Enterprise**, ensuring seamless **SQL Server** integration.
* Migrated citywide GIS from **ArcMap to ArcGIS Pro**.
* Implemented **IT Governance for GIS** and vendor/contract management.
* Recognized by Esri with **Special Achievement in GIS award**.

**City of Austin, TX Feb 2008 – Feb 2012  
GIS Supervisor**  
**About the Project(s):** Central IT enterprise GIS data management.  
 **Responsibilities & Achievements:**

* Supervised **GIS data management & analysis team**.
* Created the city’s first centralized **geospatial data warehouse in SQL Server**, using SQL procedures and **Python** scripts to automate ETL workflows.
* Managed **aerial photography and LiDAR contracts**.
* Functioned as **business analyst & project manager** for GIS projects.
* Delivered **staff training, IT support, and programming assistance**.

**City of Austin, TX Aug 2006 – Feb 2008  
Senior Planner**

**About the Project(s):** Supported land use and comprehensive planning initiatives with GIS solutions.  
 **Responsibilities & Achievements:**

* Provided GIS/IT support to comprehensive planning division.
* Developed **GIS tools in Python & VBA** (Mailout Tool, Zoning Tool, Building Heights Tool).
* Performed analysis for **Downtown Buildout Capacity project**.
* Managed IT purchases and trained staff/interns.

**City of Austin, TX Nov 1998 – Aug 2006  
Senior GIS Analyst/Engineering Technician**  
  
**About the Project:** Supported water quality and flood management with GIS expertise.  
 **Responsibilities & Achievements:**

* Led **DFIRM flood mapping project**, TIN/GRID Creation Project, Land Use Data project.
* Used LiDAR for **FEMA Community Rating System submittal**.
* Acted as **division liaison to GIS governance team**.
* Maintained IT for flood early warning system and trained operators.
* Supervised GIS interns and supported IT purchasing.

**Recent Projects**

* **Customer Communications Portal (2024):** Designed GIS-based cloud portal for emergency/non-emergency communications.
* **San Giuliano Archeological Research Project (2023–2025):** GIS lead for Baylor archeological dig in Italy; managed drone/survey mapping and ongoing analysis.
* **NextEra Water (2022–2023):** Developed GPS collection plan for 30+ water/wastewater systems; created standards and QA/QC processes.
* **GPS Data Collection (2021–2022):** Improved Austin Water surface asset accuracy from 10–40 ft to sub-meter.
* **GIS Data Model Migration (2019–2022):** Migrated Austin Water GIS from Geometric Network to Utility Network.
* **ArcGIS Pro Migration (2019–2020):** Migrated 100+ ArcMap users to ArcGIS Pro, including **change management, training, and vendor management**.

**Education:**

* **BA in Geography**, The University of Texas at Austin (1995–1999)
  + Focus: Urban Planning, Minor: German

**Certifications:**

* **ITIL V3 Certified**

**CANDIDATE REFERENCE**

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| Solicitation Number: 529601538 | Title/Level: Applications Architect 3 |
| Candidate Name: Ross Clark | Category: Applications/Software Development |

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| --- | --- | --- | --- |
| **Reference Name** (Required): Marna McLain |  | | |
| **Title:** **Corporate GIS Manager** |  | | |
| **Company Name** (Required): City of Austin |  | | |
|  | |  | |
| **Phone Number** (Required include area code): 512-826-5224 | |  | |
| **E-mail Address: marna.mclain@austintexas.gov** |  | | |
| **Professional Relationship:** | | |  |

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|  | Peer | x | Co-Worker |  | Supervisor |

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|  | Customer |  | End-User |  | Subordinate |

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| **Reference Name** (Required)**:** **Steve Hutton** |  | | |
| **Title:** **Austin Water GIS Manager** |  | | |
| **Company Name** (Required)**:** **City of Austin** |  | | |
|  | |  | |
| **Phone Number** (Required include area code): 512-417-8531 | |  | |
| **E-mail Address: stevehut@austin.rr.com** |  | | |
| **Professional Relationship:** | | |  |

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|  | Peer |  | Co-Worker | x | Supervisor |

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| **E-mail Address:** |  | | |
| **Professional Relationship:** | | |  |

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|  | Customer |  | End-User |  | Subordinate |

**NOTE: ONLY INCLUDE THE INFORMATION REQUESTED ON THIS FORM. DO NOT INCLUDE ADDITIONAL INFORMATION.**

**CANDIDATE ACKNOWLEDGEMENT**

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| RFO: 445 Solicitation Number: 529601538 | Title/Level: Applications Architect 3 |
| Candidate Name: Ross Clark | Category: Applications/Software Development |

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| I hereby authorize **Broadaxis, Inc.** to submit my resume in response to the temporary staffing Solicitation 529601538 for **Texas Health and Human Services Commission**.  I understand that submission of my resume by multiple vendors may result in my disqualification from this opportunity. Customers reserve the right to hire a candidate submitted by multiple vendors.   Worker signature:  \_\_\_\_\_\_\_\_\_ Ross Clark\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   Date:   \_\_\_\_\_\_9/24/2025\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |