CANDIDATE QUALIFICATIONS

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

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.

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Ross Clark
Geospatial Architect & IT Leader
Austin, TX

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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**

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CANDIDATE REFERENCE

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

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:

	Peer	x	Co-Worker		Supervisor
	Customer		End-User		Subordinate

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:

	Peer		Co-Worker	x	Supervisor
	Customer		End-User		Subordinate

Reference Name (Required)**:**

Title:

Company Name (Required)**:**

Phone Number (Required include area code):

E-mail Address:

Professional Relationship:

	Peer		Co-Worker		Supervisor
	Customer		End-User		Subordinate

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

CANDIDATE ACKNOWLEDGEMENT

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

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_____