# REX MICHAEL ROBICHAUX

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## SUMMARY OF QUALIFICATIONS

Certified geospatial data professional with over ten years of experience in the GIS industry possessing both Masters and Bachelors degrees in Geography, an Undergraduate Specialization Certificate in GIS and active United States security clearance.

- Comprehensive understanding of Esri's ArcGIS Enterprise platform offerings to include Geodatabase management and functionality, Desktop and Server usage, as well as Web GIS.
- Certified Esri Enterprise Geodata Management Associate 10.5, 2017.
- High level of experience analyzing, identifying, and logging technical software defects to improve software quality.
- Team-oriented professional with involvement in professional development task forces, managing agile software development sprint cycles, and GIS program and project management experience.
- Skills: ArcGIS Desktop and Enterprise stack, PostgreSQL, SQL Server, Oracle, Python, Netezza, SQL, SQLite, PostGIS, RHEL, Centos, Web GIS, Geodatabase management, spatial analysis, cartography.

## PROFESSIONAL EXPERIENCE

**Virginia Department of Environmental Quality, Richmond, Virginia**          August, 2019 to Present
**GIS Administrator**

- Perform GIS application, database and system administration in support of DEQ's mission to protect and improve the environment for the well-being of all Virginians.
- Develop, deploy and support new and feature-rich GIS web applications that enable immediate stakeholder access to critical environmental and permitting geospatial data to users throughout the Commonwealth of Virginia.
- Manage the GIS Program within OIS at DEQ to ensure the geospatial needs of stakeholders internal and external to DEQ are met and exceeded.
- Develop, deploy and support the Environmental Data Hub which serves as DEQ's primary interface to facilitate public geospatial data and application access.
- Conduct data governance work to manage and improve the data quality and data integrity of geospatial datasets at the agency.
- Serve as the geodatabase administrator for multiple ArcGIS Geodatabases to include regular and ad-hoc maintenance and support activities.
- Server as one of two primary SQL Server DBAs for agency's various SQL Server database environments including but not limited to GIS, and Reporting.
- Offer high-quality user support to various GIS users throughout the agency including ArcGIS Desktop, ArcGIS Pro, ArcGIS Server, ArcGIS Portal, and ArcGIS web app support.
- Develop, deploy and update Python scripts in support of production data ETL, manipulation, analysis, and management.

**Prince William County Service Authority, Woodbridge, Virginia**          August, 2018 to August 2019
**GIS Administrator**

- Support the Service Authority's mission, vision and strategic goals by performing technical and management activities to maintain, enhance, and integrate GIS and related enterprise systems and data.
- Serve as geodatabase administrator to review and implement data changes, perform weekly recurring maintenance procedures, and assist with data quality and governance efforts.
- Successfully and beneficially manage the GIS Administration program within Enterprise Asset Management (EAM) and provide guidance, direction and motivation to the team in pursuit of achieving organizational and individual goals.
- Define, create and implement GIS Administration program key work processes, and associated SOPs and Service Level Agreements with key stakeholders to ensure departmental success, the delivery of positive business value and continuous improvement.

- Manage technical projects varying in scale, scope, and complexity with multiple internal and external parties to ensure defined deliverables are achieved on time, on budget, and are of high quality.
- Work collaboratively and iteratively with a variety of internal SA stakeholders from various departments to determine data flows, business needs, and translate those needs into enhancing technical services and solutions.
- Utilize enterprise data and system integration solutions (Dell Boomi iPaaS) to tie together multiple source systems, automate data flows, and achieve holistic data solutions in support of master data management (MDM).

**Esri, Vienna, Virginia**                                                                              **January 2017 to August, 2018**
**Senior Enterprise Geodatabase Analyst- North American Regulated Industries Team (NORUS)**
- Served as Subject Matter Expert (SME) on multiple database management systems (DBMS) to include PostgreSQL, SQL Server, Oracle, and Netezza. Assist tier 1 analysts with geodatabase management and troubleshooting.
- Built and expanded the new NORUS DC Support Team by interviewing potential candidates and mentoring new hires.
- Electively pursued and obtained security clearance to better support current and upcoming Esri software offerings.
- Provided meaningful, beneficial contributions to NORUS team task forces to include the Team Goals Improvement Task Force, Knowledgebase Task Force, and NORUS Test Environment Configuration Task Force.
- Assisted with and conducted readiness lead training activities in Redlands for geodatabase / platform analysts.
- Built and maintained positive professional relationships and rapport with a variety of high profile federal customers.

**Esri, Redlands, California**                                                                              **June 2016 to December 2016**
**Enterprise Geodatabase Analyst**
- Provided world-class technical support for Esri customers both domestically and internationally via phone, email and chat media concentrating on enterprise geodatabase management and troubleshooting.
- Identified and documented a wide array of GIS software defects and enhancements to improve product quality.
- Achieved and maintained a working technical knowledge of approximately twenty different Esri technologies.
- Assisted Esri online community through forum posts and knowledge base article submissions.

**Montezuma County**, **Cortez, Colorado**                                                          **June 2012 to May 2016**
**GIS Analyst**
- Maintained and edited GIS legal parcel data throughout the county, managed datasets in SQL Express geodatabase
- Designed, developed, and implemented scheduled Python and SQL scripts to perform nightly build of data from multiple County departments to ETL data into GIS SQL geodatabase, and update services.
- Developed and deployed ArcGIS Online web mapping application and Open Data Portal for internal and external usage throughout Montezuma County and the State of Colorado.

**City of Lynchburg, Lynchburg, Virginia**                                                      **November 2010 to May 2012**
**GIS Specialist**
- Implemented new field GPS data collection workflows resulting in departmental annual savings of over $7000.
- Produced high quality cartographic maps for presentations and public consumption and web mapping content.

**EDUCATION**

**M.A. Geography**, Kansas State University, Manhattan, KS                                  **May 2010**

**B.S. Geography**, Kansas State University, Manhattan, KS                                  **May 2008**
        GIS Specialization Certificate