



# JOHN SMITH

Full Stack & GIS Developer

## CONTACT ME

✉ healear624000@gmail.com

📍 Denver, CO 80206

## SKILLS

- Map application development combining the power of mapping APIs with innovative design and functionality.
- Database development and administration utilizing the ArcGIS Enterprise suite, PostgreSQL, GeoServer and the AWS platform.
- Innovative cartography and data visualizations using ArcMap, ArcGIS Pro, Esri CityEngine and QGIS.

## INTERESTS

- Football Match
- Swimming

## ABOUT ME

Creative and motivated GIS professional with more than nine years of experience using geospatial technology, web development and data analysis to create innovative, data-driven products that further the goal of protecting historic and natural resources. Areas of expertise include data creation, management and maintenance, database design, spatial application development and deployment using both Esri and open-source APIs, advanced geospatial analysis, GIS project management and custom cartography.

## EXPERIENCE

**Senior Data & GIS Analyst** 2021 – present  
New York City Landmarks Preservation Commission, New York, NY

- Organization administrator for all ArcGIS Online assets including managing data, services, users and permissions.
- Custom application development using ArcGIS developer resources including the ArcGIS JavaScript API.
- Creation of Python / ArcPy tools designed to automate ETL processes for core agency datasets.
- Extensive experience designing and maintaining geospatial databases.
- Multi-year record of successfully developing geospatial products including datasets, applications and dashboards for both internal and external uses.
- Agency lead for the design, development and maintenance of all agency authoritative geospatial datasets.
- Agency Open Data coordinator responsible for scheduled public release of agency datasets.
- Dedicated to supporting and growing agency GIS user base through education, training and consultation with staff.

**Senior GIS Project Manager** 2019 - 2021  
National Trust for Historic Preservation, Washington, DC

- Responsible for organization-wide GIS project management as well as long-term planning for new applications of geospatial technology within the historic preservation field.
- Designed, developed and deployed custom web-mapping applications for internal and external use utilizing both Esri and open-source APIs.
- Managed the organizations ArcGIS online, ArcGIS Enterprise and PostgreSQL systems including creating and maintaining web services and databases.
- Created GIS training programs for staff members and worked to raise the general level of GIS literacy throughout the organization.

**Senior Transportation Planner** 2018- 2019  
Maryland-National Capital Park and Planning Commission, Silver Spring, MD

- Conducted complex transportation analysis using the ESRI ArcMap and Network Analyst.
- Developed web applications using both ArcGIS online and open source APIs for use in county-wide transportation metric reporting requirements.
- Participated in the development of a Montgomery County-wide multi-modal GIS network.

**Data Analyst & Planner** 2013- 2018  
New York City Landmarks Preservation Commission, Newark, NY

- Agency lead for all GIS projects and initiatives.
- Managed agency ESRI account including ArcMap / ArcGIS Pro licenses and ArcGIS Online environment credit usage.
- Utilized custom ModelBuilder tools and Python scripting to automate GIS workflows and make routine analysis more efficient.

## EDUCATION

**University of Colorado Boulder** 2011 - 2013  
Master of Arts (MA) in Geography

**University of Colorado Boulder** 2007 - 2011  
Bachelor of Arts (BA) in Geography