

Zhu Jiang (Jason) U.S Citizen
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Detail-oriented and results-driven **Software Engineer & GeoSpatial Data Specialist** with over 5 years of experience in **Python, AWS, FME and ESRI ArcGIS** platforms. Strong expertise in building automation pipelines, cloud solutions, and spatial data applications. Skilled in collaborating with stakeholders, optimizing workflows, and delivering solutions that improve data accuracy and business efficiency. Adept at problem-solving, project management, and applying Agile methodologies.

Tata Consultancy Services, New York, NY
Client: Pacific Gas & Electric Company

March 2021 – Present

1. Designed and implemented FME ETL pipelines for spatial data transformation and format conversion, automating complex geospatial workflows and improving data integration efficiency.
 2. Designed and deployed a scalable pipeline for ArcGIS Online data refresh using AWS Lambda & EventBridge.
 3. Developed an automation pipeline leveraging **AWS Secrets** for secure connections with PostgreSQL, enabling seamless data retrieval and synchronization with ArcGIS Online.
 4. Implemented **AWS EventBridge** to schedule quarterly executions, reducing manual intervention and minimizing human error.
 5. Streamlined data refresh process, reducing operational overhead and increasing reliability of business workflows.
 6. Partnered with stakeholders to design and implement **key data fields** in ArcGIS applications, enhancing **data accuracy and accessibility** for business operations.
 7. Created **custom field forms** in ArcGIS Field Maps and designed interactive pop-up windows for field workers, ensuring correct data input.
 8. Automated **ArcPy-based geoprocessing tasks** for spatial data transformation and reporting.
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Education

Rochester Institute of Technology, Rochester, NY
Bachelor of Science, Computing and Information Technologies

Graduated: Dec 2020
GPA: 3.54

State University of New York at Fredonia, Fredonia, NY
Bachelor's degree, Computer Science

2015-2016

Key Skills

Frontend: HTML, CSS, Javascript
Backend: Python, Java, Node.js, Express.js
Databases: PostgreSQL, Oracle SQL
GIS/Spatial: ArcGIS Pro, ArcPy, ArcGIS Online, FME
Cloud/DevOps: AWS, GIT, Automation Pipelines, EventBridge, Agile
Other: Linux/Unix, Data Structures, Algorithms, Networking (Switching & Routing)

Leadership Skills

| Project Oversight | Critical Thinker | Effective Problem-Solving | High Energy & Adaptability |