

Kevin Nakamura

GIS DEVELOPER

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Summary

GIS Developer with 6 years of experience building web mapping applications and data services for transportation and utility clients. Writes JavaScript with the ArcGIS API for JavaScript, Python and ArcPy tools, and SQL against PostgreSQL and SQL Server. Publishes and tunes services on ArcGIS Enterprise and explains technical choices plainly to non-technical stakeholders.

Skills

- JavaScript
- ArcGIS Enterprise
- HTML
- ArcGIS API for JavaScript
- ArcGIS Server
- CSS
- Python
- PostgreSQL
- ArcPy
- SQL Server

Experience

GIS Developer

04/2022 - Present

Willamette Infrastructure Partners

Portland, OR

Engineering consultancy for state transportation departments and port authorities.

- Build web apps with the ArcGIS API for JavaScript, HTML and CSS for **1,400** DOT staff reviewing road projects.
- Write ArcPy tools that load 12 nightly feeds into PostgreSQL, cutting data refresh time from 5 hours to 40 minutes.
- Publish and tune map services on ArcGIS Server and ArcGIS Enterprise, keeping average draw time under 2 seconds.
- Connect Survey123 bridge inspection results to the client asset system through REST, with records arriving within 15 minutes.

GIS Programmer Analyst

06/2020 - 03/2022

Columbia Gorge Power Cooperative

The Dalles, OR

Electric cooperative serving 52,000 meters in rural Oregon.

- Developed Python geoprocessing scripts that produced 3,000 outage and circuit maps a year for regulatory reports.
- Wrote SQL Server stored procedures linking customer meters to transformers for all 52,000 accounts.
- Maintained the JavaScript outage viewer on the public website, which drew 80,000 visits during a 2021 ice storm.
- Documented data models and code for 4 internal apps so other analysts could support them during staff leave.

Education

Bachelor of Science

06/2020

Portland State University

Portland, OR

Geography, Minor in Computer Science

Certificates

Esri Technical Certification: ArcGIS Developer Associate

Esri

10/2023