Thomas August Ryan

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Work experience

King County - Seattle, WA

Principal IT Engineer *04/2024 – present*

Built custom software and solutions to support Geodata team at King County's GIS Center including the District and Development Conditions report, the Spatial Data Catalog, and Steward Tool. Provided technical training and mentorship to coworkers. Empowered management by framing clear decision points on complex technical projects.

Master GIS and Data Platforms Engineer *01/2023 – 04/2024*

Developed a custom web application utilizing React, Next.js, and ESRI's JavaScript API for streamlining the process of updating, maintaining, and replacing road signage in King County. Collected data on GIS usage at King County by creating a custom .NET Blazor web application to automate telemetry collection and report generation.

Senior Application Developer *03/2020 – 01/2023*

Spearheaded the development of custom line-of-business applications for King County, including the ORCA LIFT portal, the COVID-19 Vaccination Screening portal, and KCIT Human Resource's Staffing Requisition application.

Kitsap County - Port Orchard, WA

GIS Programmer *01/2018 – 03/2020*

Apple via Apex Systems - Austin, TX

GIS Technician *11/2016 – 12/2017*

Education

University of Washington - Seattle, WA

Bachelor of Arts (B.A.) *2013 – 2016*

Conducted geospatial analysis to analyze large non-profit client databases and develop targeted outreach campaigns. Authored a research paper on the limitations of Seattle's stormwater management policy, utilizing GIS to showcase disparities between the current approach and proposed solutions.

Seattle Central College - Seattle, WA

Transfer Degree *2010-2013*

Ballard High School - Seattle, WA

Diploma *2007 - 2011*

Skills

Project Management ▪ Problem Solving ▪ Geospatial Analysis ▪ Content Creation