

THOMAS RYAN

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Skills

FULL STACK WEB DEVELOPMENT

C#
.NET 5
Entity Framework Core
Razor
ASP.NET
.NET 4.x
JavaScript
React
Markdown
Bootstrap
CSS
HTML
Unit Testing
Documentation
Git
Azure DevOps
IIS Web-server
Windows Server
Microsoft SQL Server
Oracle Database 11g
T-SQL and P-SQL
Azure

MAPPING AND DATA SCIENCE

Python
ArcPy
ArcMap
QGIS
Leaflet
PostgreSQL
PostGIS
Mapbox GL
OpenStreetMaps
iDEditor
Geospatial Analysis
Geometry Digitization
Linux
Quality Assurance

WRITING AND MEDIA

Technical Writing
Photography
Research Design
Lightroom
InDesign
WordPress
Microsoft Office Suite

Education

University of Washington - Seattle Campus
Bachelors of Arts in Geography - GIS Track 2016
Minor in Urban Design and Planning 2016

Employment

King County - Information Technology Seattle, WA
Senior Applications Developer Mar. 2020 to Current

- Built internal applications and public portals using ASP.NET Core, Power Apps, and the Microsoft Dynamics platform to support the County's response to the COVID-19 pandemic.
- Worked on Agile software engineering teams to prioritize delivering value to customers and scoping out the resources required to succeed.
- Designed and built solutions to digitize the assessment and collection of wastewater escrow charges as well tools to help investigate arson incidents using Power Automate Flows, the Dataverse, and the Dynamics PaaS.

Accelerate Networks - Startup Seattle, WA
Principal Software Developer (Part-time) Nov. 2019 to Current

- Built a console app to ingest data from 3rd party vendors using both SOAP and REST API clients every 20 minutes.
- Built an ASP.NET Core MVC web app to act as an ecommerce site.
- Built an authenticated ASP.NET Core app to handle the management of the ecommerce site and the ingest console app.
- Reimplemented Washington State's sale tax rate lookup API to improve performance and reliability in support of our ecommerce app.
- Used Azure DevOps to perform continuous integration and deployment to our Linux-based cloud infrastructure.

Kitsap County - Information Services Port Orchard, WA
Software Developer - Full Stack, GIS Jan. 2018 to Mar. 2020

- Maintained and modernized the County's public tax information web app, Parcel Details.
- Transitioned the app to a responsive design.
- Implemented feature requests to display contextual information for tax parcels including their zoning, permitting, and jurisdiction rules.
- Designed UX enhancements based on feedback from elected officials and internal customers.
- Evangelized tools and practices new to the organization including the use of source control, pair programming, unit testing, continuous integration, telemetry collection, and stand ups.
- Worked on the creation of a unified API for interacting with county data called the Kitsap API.

Software Developer (Part-time) Remote
Continued supporting applications that I built for Kitsap County in a part time capacity. Apr. 2020 to Current

Apple via Apex Systems Austin, TX
GIS Technician - Lead Editor Nov. 2016 to Dec. 2017
Analyze, validate, and enhance existing content while assembling new content for consumer applications. This position is covered by a non-disclosure agreement.

PCWorld Remote
Freelance Writer (Part-time) Feb. 2015 to June 2017
Created articles from concept, to copy, to photography for an audience of over 10 million monthly readers. Pitched time sensitive ideas to senior editors and created high-quality technical content on tight deadlines. <http://www.pcworld.com/author/Thomas-Ryan/>

Awards

Lean Six Sigma - Yellow Belt Aug. 2018
Process improvement certification from Kitsap County's Performance Excellence group.

American Society of Civil Engineers · 2016 Bridges Calendar Photo Selectee Nov. 2015
For the month of April.

Boy Scouts of America - Chief Seattle Council · Eagle Scout Dec. 2011

Volunteering

Humanitarian OpenStreetMap Team (HOTOSM) · Data Contributor Feb. 2015 to Current
<https://www.openstreetmap.org/user/UncheckedError>