Sean Paul Wilson

(541) 647-9777 | seanwils.dev@gmail.com | seanpaulwilson.com | github.com/spw720 | linkedin.com/in/spw720

EDUCATION AND CERTIFICATIONS

University of Oregon — Eugene, OR
Bachelor of Science in Computer Science — *Sep. 2016 – March 2021*
Bachelor of Science in Spatial Data Science

AWS Certified Cloud Practitioner — Expires July 2023

EXPERIENCE

Software Engineering Intern — June 2020 – March 2021
Five Talent Software Inc. - Effectual Inc. (AWS Premier Consulting Partner) — *Bend, OR*
- Worked directly with clients on rearchitecting software solutions for the AWS cloud following AWS best practices, as well as developing out new feature requests and configuring CICD pipelines.
- Developed full-stack web applications and RESTful APIs in AWS utilizing technologies such as NodeJS, React, Angular, Serverless, MongoDB, and Docker while following a strict development life-cycle process.
- Beta-tested new AWS SDK features while reporting to senior AWS engineers.

Software Developer Intern — June 2019 – Sep. 2019
Novunex GmbH. (Business Process Mgmt. SaaS) — *Klagenfurt, Austria*
- Worked with VP of Operations building custom QMS software for a wide variety of business applications
- Worked directly with clients to bring outdated quality systems to paperless, cloud-based automated processes
- Wrote custom JavaScript, SQL and integrated API's into SaaS solution to satisfy feature requests

Business Analyst Intern — June 2019 – Sep. 2019
SiCamore Semiconductor Corp. (Semiconductor Manufacturer) — *Bend, OR*
- Worked with Sicamore Semi teams in updating/implementing DBMS, QMS and CRM solutions

SELECTED PROJECTS

Five Talent Resource Dashboard | *NodeJS, Serverless, Lambda, React, OAuth* — June 2020 – Sep. 2020
- Full-stack web app used to improve efficiency of project managers accessing metrics on personnel/project status
- Developed RESTful APIs (AWS Lambda functions (NodeJS, SLS)) that used 3rd-party project management software API's to compile custom data structures of company data not exposed on PM software platform
- Built React front-end which called custom-built Lambda API's to present data in an interactive table using TailwindCSS/Material-UI. SSO and OAuth2 functionality implemented using Okta React SDK
- Created CICD pipeline to automate testing/deploying application to team on repository change

SiteStall | *JS, HTML/CSS, Mozilla API's* — Feb. 2020 – March 2020
- Firefox extension designed to improve concentration by temporarily blocking distractions
- Collaborative group project with a team of 4 other developers using Mozilla API's to interact with browser

BreadCrumb | *Java, Google Maps API* — June 2019 – July 2019
- Android app developed in Java using Google Maps API. Shows trail of where user has traveled on custom basemap

UO CS Degree Guide | *C++, SQLite, QT* — Jan. 2019 – Feb. 2019
- Collaborative group project with 3 other developers in C++ using QT for GUI creation and SQL for data storage

Assorted Data Visualization Projects | *Python, JS(D3, SVG), GDAL, Leaflet/Folium* — Jan. 2019 – Present
- Through my second degree, and interest in climate change, I've developed multiple Earth data vis. projects
- Visualization topics include: global sea surface temperature change, annual U.S. wildfire frequency and geographic distribution of different global environmental and socioeconomic variables

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C/C++, HTML/CSS, SQL
Front-end: React, Angular, TailwindCSS, Material-UI, D3.js/SVG, QT, Google Analytics
Back-end: NodeJS, Serverless, Docker, MongoDB, REST, Flask, SQLite, Unix/Linux
Cloud/Tools: Amazon Web Services *(Certified Cloud Practitioner)*, Git, Postman, Visual Studio
Data Science/GIS: Numpy, Pandas, SciPy, Matplotlib, GDAL, Leaflet, Folium, FFMpeg, ArcGIS, Illustrator
Away from keyboard: Backpacking the Pacific Northwest in the Summer, Back-country Skiing in the Winter