Sean Paul Wilson

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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 – Present
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- Worked directly with clients to bring outdated quality systems to paperless, cloud-based automated processes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 – Present
- 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 Lambda API's to present data in an interactive table using TailwindCSS/Material-UI and enabled SSO and OAuth2 with 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++, SQL, 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), Folium/Leaflet, FFmpeg*   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
Frameworks: NodeJS, React, Angular, OAuth, Serverless, Flask, TailwindCSS, Material-UI, QT, Google Analytics
Software/Systems: Docker, MongoDB, Git, Unix/Linux, Postman, Visual Studio
Cloud: AWS*: [Compute, Storage, Database, Networking and Security]* Certified Cloud Pract., MS Azure
Data Science: Pandas, NumPy, Matplotlib, Folium/Leaflet, D3.js, SVG, R, ArcGIS, Illustrator
Fun: Backpacking the Pacific Northwest in the Summer, Back-country Skiing in the Winter