# 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*
*Minor in Entrepreneurship*

**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.* — *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- Worked directly with clients to bring outdated quality systems to paperless, cloud-based automated processes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.* — *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 application for project managers to access metrics on personnel/project status
- Created AWS Lambdas (NodeJS) which called RESTful API's to access company data and return parsed results
- Implemented a secure frontend using React, TailwindCSS, Material-UI and Okta authentication for SSO

**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 Application developed in Java where users drop "crumbs" and app displays a visual graphic overlay onto custom basemap (Google Maps API) showing all the places the user has traveled

**UO CS Degree Guide** | *C++, SQL, QT* — Jan. 2019 – Feb. 2019
- An Interactive Degree Guide for U of O CS Students showing paths to graduation
- 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]*, 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