

# Nicholas Bowden

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## EXPERIENCE

**Slalom Build**, Seattle, WA

June 2022 – August 2022

*Software Engineering Intern*

- Built a website portal where 1500+ Slalom employees can refer a potential employee to Talent Acquisition.
- Deployed on **AWS** for a scalable backend leveraging **Amazon API Gateway**, **Lambda**, **S3**, and **CloudFormation**.
- Leveraged **Vue** with **Vuetify** UI Library for frontend, **Vuex** for state management, **Cypress** for **E2E testing**.
- Delivered using **Agile methodologies**, organized with weekly sprint refinement to devise fairly pointed **Jira** tickets.
- Cooperated with 11 other interns on a cross-functional team to adhere to brand standards.
- Headed integration with current **SSO** to elevate user experience and reduce redundant form inputs by 50%.

**Dungeness Valley Landscaping**, Sequim, WA

August 2017 – June 2022

*Equipment Operator / Website Manager*

- Revamped existing website to showcase updated services, leading to an 80% increase in website traffic.
- Maintained 100+ yards to perfect condition with year-round services including mowing, leaf cleanup, and pruning.

**Self-Employed**, Sequim, WA and Spokane, WA

September 2012 – December 2021

*Freelance Musician*

- Performed with Washington Idaho Symphony, CDA Symphony, EWU Symphony, and Gonzaga Symphony.
- Taught masterclasses for multiple instruments at Sequim High School for 20+ students.
- Mentored and educated students of various skill levels to improve performing abilities.

## EDUCATION

**Bachelor of Science (BS) Computer Science**, Oregon State University, GPA: 3.9

September 2020 – December 2022

**Certificate of Intermediate Software Engineering**, CodePath

June 2022 – August 2022

**Bachelor of Arts (BA) Music**, Eastern Washington University

September 2010 – June 2014

## PROJECTS

**Marina API** ([Code](#)) – Cloud-based REST API service that models a marina.

- Launched on **Google Cloud Platform** through **Google App Engine**, containerized using **Docker**.
- Managed scalable data storage with **Google Cloud Datastore**, **OAuth** handled by **People API** through **JWTs**.
- Utilized **Test Driven Development** to guide development, wrote 250 **Postman** tests with over 90% code coverage.
- Documented each endpoint thoroughly, contributing to a comprehensive 28 page manual.

**Jam Session** ([Code](#)) – Social media-like web application for finding musicians and artists to connect with.

- Developed frontend using **React** with **TypeScript** for capstone project. Prototyped **UI** and **UX** with **Figma**.
- Improved search result efficiency by 70% by increasing refinement options.
- Wrote weekly progress reports and prepared bi-weekly feature demos with teammates.
- Protected user data, and managed multiple page routes with **React Router**.

**Booknook** ([Code](#)) – Created a web application where users find and save unique book recommendations.

- Coordinated as part of a five-member team using Agile methodologies to deploy and maintain **microservices**.
- Engineered to dynamically update page content by making calls to an API and a teammates microservice.
- Constructed with **React.js**, **Node.js** with **Express.js**, and **MongoDB** with **Mongoose**.
- Reduced overall code size by 30% by revising structure and readability through code reviews.
- Secured user data with protected endpoints requiring token authentication using **JSON Web Tokens (JWT)**.

**CrowdFlow** ([Code](#)) – Backend API, database, and web-based database GUI for music venue ticketing system.

- Led a team of 2 to explore relational database design, database normalization, and **RESTful API** architecture.
- Designed 7 endpoints with full **CRUD** functionality and capabilities to create several **database relationships**.
- Implemented frontend with **HTML**, **CS**, and **JavaScript** while backend built using **Node.js** with **Express.js**.
- Modeled **MySQL** database to handle data for a venue averaging 75 shows a year, with about 100,000 tickets sold.