

Michael O'Connell

michaeloconnelliii@gmail.com | michaeloconnelliii.com | 541-232-4654 | Forest Grove, OR

Professional Experience

IEQ Technology

Eugene, OR

Full Stack Web Developer - Web Development Team

March 2022 – Current

- Streamlined and enhanced seven high-priority client applications by performing maintenance, troubleshooting, feature integration, documentation generation, test criteria development, and leadership in development (mentorship, code review) and deployment. These applications utilized a wide range of technologies including HTML, CSS (Bootstrap), JavaScript (jQuery, jQuery UI, Vue), C#, PHP, Java, .NET (ASP.NET Webforms, ASP.NET Web API), SQL Server, MySQL, IIS, NGINX, Apache, Docker, and Unity.
- In a test taking and administering application, improved multiple high-traffic API endpoint response times from minutes to seconds or milliseconds through optimizing SQL Server stored procedures and database middleware. Resulted in a smoother test-taking experience for thousands of students and instructors.
- Developed, tested and deployed a course searching and filtering feature that sped up client's data entry by up to 40%. Built using JavaScript and User Controls in ASP.NET.
- Routinely participated in an Agile workflow where Kanban was used for project management, Jira for ticketing system software, and Git for version control.
- Generated code improvement and analysis reports for two large legacy applications, translating technical details into non-technical language for client understanding. Played a pivotal role in securing contract renewals for both applications.

Palo Alto Software

Eugene, OR

Web Development Intern - Marketing Team

Aug 2021 – Dec 2021

- Created a Python script that automated WCAG compliance-checking and reporting by interfacing with *Google Lighthouse API* and *W3C Markup Validation Service API*. Reports allowed developers to quickly and efficiently remedy non-compliance issues for the entirety of Palo Alto's web ecosystem.

Skills

Languages: C#, JavaScript, Python

Technologies: ASP.NET (Web Forms, Web API), SQL Server, React, HTML, CSS, Git, Docker, IIS

Projects

Empty Fridge

- AI-powered recipe idea generator that creates dynamic recipes based on ingredients and preferences.
- Built using React, NodeJS, TypeScript, Bootstrap, and NextJS as its full-stack framework. Open AI's Chat API is used for generating recipes. Unit testing is done using Jest. Deployed using AWS Amplify.

***All project repositories and live demos can be found at michaeloconnelliii.com**

Education

University of Oregon

Bachelor's of Computer and Information Science

June 2018 - March 2021