Michael O'Connell

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Education

Bachelor of Science in Computer and Information Science | University of Oregon | 6/18 - 3/21 | GPA: 3.5

Experience

Full Stack Software Engineer | IEQ Technology | 3/22 - Present

- Maintained, troubleshooted, added features to and led deployments on two ASP.NET Web Forms applications and one ASP.NET API application that were built using HTML, CSS, JavaScript (Vanilla JavaScript, JQuery, JQuery UI), C# and SQL Server. Projects were deployed on an IIS server.
- Participated in an Agile Workflow where Kanban was used for project management, Jira for ticketing system software, and Git for version control.
- Wrote comprehensive and thorough descriptions, documentation, deployment instructions and test/acceptance criteria for new application features, database programs, code improvements, and solutions to bugs/issues.
- Created ad-hoc queries, stored procedures, schema updates, and update/delete SQL scripts. Performed database backups and restores using SQL Server Management Studio (SSMS).
- Improved multiple high-traffic API endpoint response times from minutes to seconds or milliseconds through optimizing SQL stored procedures.
- Set up and configured Apache, NGINX and IIS Web Servers.

Web Development Intern | Palo Alto Software | 8/21 - 12/21

- Contributed to Palo Alto's Marketing sites by adding new content, resolving bugs, and creating new tickets and stories to address areas for improvement, specifically W3C and Lighthouse compliance and automation.
- Participated in an Agile Workflow which included weekly estimation, code review and quality assurance processing.
- Used the macOS command line, Git, Docker, HTML, CSS, Sass, PHP and JavaScript on a daily basis.

Projects

Empty Fridge

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

World's Best Cheese Locations

- Webpage displaying the World Cheese Awards' Super Gold Award Winners locations and breakdown of winners by country.
- The webpage was written in HTML, CSS and Javascript and uses Google Maps API and AnyChart API. The project uses Flask (Python) as its web framework and MySQL for its database.

Blackjack

- Traditional Blackjack game that uses the Deck of Cards API for generating the card deck and handling cards.
- Written using only HTML, CSS and Javascript. Uses Asynchronous Programming and Object-Oriented Programming concepts in Javascript.

Skills

HTML | CSS | Bootstrap | JavaScript | TypeScript | NextJS | NodeJS | Jest | MySQL | MSSQL | NGINX | Apache | Microsoft IIS | .NET | Python | C# | Git | Linux and MacOS Command Line | Docker | Open AI's Chat API | AWS