

MICHAEL IWANEK

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EDUCATION

B.S - Computer Science, Oregon State University - School of Electrical Engineering and Computer Science 2022 - Mar 2024
Major GPA: 4.0;

-Completed Coursework: Algorithms, Data Structures, Operating Systems, Discrete Math, CS 161/162, x86 Assembly, Web Dev, Databases, Software Eng I – In Progress: Mobile Dev/ Software Eng II

-CodePath Advanced Technical Interview Prep Summer 2023; Honor Roll 2022-2023

B.S - Business Administration (Accountancy), Sacramento State University 2017 - 2018
Major GPA: 3.94; Beta Alpha Psi VP of Info Systems Spring 2018; Graduated

SKILLS

Technical Skills TypeScript, React.js, Express.js, Node, MongoDB, C/C++/C#, Python, JavaScript, Java, GraphQL, SQL
Software Jira, Bitbucket, Axios, Postman, VS Code, PyCharm, Eclipse, SQL Server Mgmt Studio, Git/GitHub, Excel

WORK EXPERIENCE

Full Stack Software Engineer Intern 06 2023 - Present
PNNL - Pacific Northwest National Laboratory Remote - Richland, WA

- Develop the front end of a large-scale application, creating reusable React.js and Typescript components with Tailwind CSS and GraphQL. Leverage Typescript features such as interfaces and generics to add static typing to JavaScript, allow for IntelliSense, and detect errors in compilation before code is deployed to production. Utilize JavaScript features such as promises and error catching to handle edge cases and asynchronous conditions. Ensure front end is fully responsive to different screen sizes using CSS features such as flexbox, grids, and other styling as necessary.
- Utilize the Apollo client to develop/interact with GraphQL queries and mutations, retrieving data from the application API and displaying it intelligently to end users on the front end of the application. Collaborated with UI/UX designers to develop the front-end in React.js to match Figma mock ups per project specifications.
- Develop features for the back end of the application in C#, adding new API routes to the Hot Chocolate GraphQL server such as offset pagination - for queries that interact with millions of images stored in the AWS back end and various SQL databases.
- Report to senior software engineers and project managers in an Agile environment, participating in daily stand-ups and meetings. Utilize Atlassian Jira features such as boards to plan feature rollouts per user stories and epics, referring to documentation in Confluence as needed. Submitted pull requests in BitBucket and addressed necessary changes/ merge conflicts needed in order to pull changes to development branches.

Senior Accounting Officer - Recon/Data Specialist 07 2020 - 06 2023
State of California (CalSTRS - California State Teachers' Retirement System; CalPERS) Sacramento, CA

- Developed complex macros programmed in VBA to automate data retrieval from SAP and manual Excel workpaper preparation. Prepared complex accounting reconciliations, interface testing, journal entries, and accruals for a pension fund with over 300 billion in assets, in a senior analyst role using SAP and Excel. Managed databases and developed advanced SQL queries to aggregate/summarize records, join tables, and analyze data sets for conversion errors.

PROJECTS

Ski and Rock Climbing E-Commerce Store (MERN) - [GitHub](#) - [Live](#)

- Developed a full-stack website (REI/Amazon clone) with product search, filtering, OAuth2.0, shopping carts, PayPal API, and order submission. An Admin dashboard allows for user/inventory management, and real-time statistics/chats.
- Deployed Socket.IO to allow for bi-directional client and server communication, to enable real-time messaging between a logged in admin and user. Used Redux for global state management and user chats.

applyYourSelf - Job Application Tracker (MERN) - [GitHub](#) - [Live](#)

- Mobile responsive job application tracker with user authentication, full CRUD functionality, and dynamic statistical data via Bar & Sankey charts, showing which jobs led to subsequent interviews and monthly application counts.
- Features are implemented by several REST APIs, styled components, protected routes (JSON Web Token/ Axios Interceptors). Controllers/route handlers implement error handling, user authentication, and not-found middleware.