Michael Scharf in⊕</>

Software Engineer

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Profile Summary

- Software Engineer experienced in building and deploying full stack solutions and well versed in Object-Oriented Programming (OOP).
- Full-stack developer with a strong command of languages including JavaScript, HTML, CSS and SQL. Proficient in designing UIs with React, writing server-side code and building APIs, and manipulating SQL & NoSQL databases. Solid understanding of Authentication, Security, and version control.

Education

University of California, Irvine ↗
Full Stack Web Development Certificate
Irvine, CA, May-Jul. 2021

University of California, Davis ↗
B.Sc. in Biochemistry and Molecular Biology
Davis, CA, 2012-2016

Technical skills

Languages: JavaScript, SQL, HTML, CSS
JavaScript stack: **Superset:** TypeScript / **FE Framework:** React / **Libraries:** Redux / **Back-end:** Node.js, Express.js, GraphQL
Databases: **SQL:** MySQL / **NoSQL:** MongoDB

Projects Experience

Zap Away Bugs ↗ ⊕   Jul. 2021

- Owned a full software development cycle by conceptualizing, designing, implementing, testing and maintaining a bug tracking application with the MERN stack, enabling users to create profiles, projects, and reference issues.
- Decided on requirements and specifications, and documented architecture, features and technologies in a clear and concise design document allowing for faster and easier implementation.
- Designed the website's user interface, by crafting an engaging user experience with React as a front-end framework, allowing for dynamic rendering of modern UI components.
- Architected a back-end connecting a Node.js/Express server to a MongoDB database, choosing the NoSQL paradigm to optimize for future scalability and flexibility.
- Allowed for user authentication thanks to the implementation of a login feature leveraging the Passport npm package with JSON Web Token.

tabAngel.io ↗ ⊕   May 2021 - Jul. 2021

- Designed and implemented a full-stack web application, allowing guitarists to submit and read tablatures.
- Crafted an intuitive user interface with HTML, CSS and JavaScript, allowing users to query & post tabs.
- Built an Express server on Node.js, for rapid scalability and implementation by using JS on both sides of the stack.
- Implemented Passport & JWT-based authentication.
- Utilized MySQL as a reliable and predictable Relational Database Management System, wrote schemas and designed an API allowing users to perform CRUD operations on post data.

dumpStar.io ⊕ ↗   Sep. 2022 - Oct. 2022

- Conceptualized and delivered a web-based application where users can store links to websites utilizing a folder structure.
- Coded using best practices of HTML5, key & advanced functionalities of CSS3 (Flexbox, Grid, animations, CSS variables and Sass), ensuring responsiveness and optimizing for accessibility and performance.
- Utilized React Hooks and Redux for optimal performance and scalability.

Professional Experience

2U Inc ↗ Teaching Assistant   **Irvine, CA** Nov. 2021 - Present

- Planned and delivered lectures to students, teaching fundamental programming concepts during live coding classes.
- Conducted engaging lectures, delivering comprehensive lessons on HTML, CSS, JavaScript, React.JS, MongoDB, MySQL, Node.js, Express and ORMs. Taught version control with Git, and deployment with Heroku.

Golden State Foods ↗ Quality Assurance Technician   **City of Industry, CA** Feb. 2017 - Apr. 2021

- Interacted with plant personnel to provide QA and safety-related information to keep customers apprised of quality and safety concerns, techniques, and regulations. Maintained records and logs of tests, audits, and other quality procedures to ensure availability of accurate and thorough information.
- Liaised with management and operators to ensure high product quality. Identified faulty equipment and bad practices to educate remediation efforts and minimize product issues.