Joshua Schermann

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Summary

Full stack web developer with a background in construction. Earned Certificate in MERN Full Stack Web Development from University of Minnesota. Skilled in JavaScript, React, Express.js, MongoDB, and MySQL. Built Code Savior, a MERN stack web application used to share coding resources and take quizzes. Lead developer in team of three organized workflow, built quiz functionality, and used Handlebars.js to connect MySQL and Express.js back end. Career switcher seeks new challenges and personal growth. Leadership experience, public speaking skills, and motivated work ethic learned from construction is used to succeed in software development.

Skills

Front End: React.js, HTML5, CSS, Bootstrap, Flexbox, Responsive Design
JavaScript: Node.js, jQuery, Handlebars.js, Jest, Mocha, AJAX, Object Oriented Programming
Back End: Express.js, Model View Controller, RESTful APIs, Heroku
Databases: MySQL, NoSQL, MongoDB, Object Relational Mapping, Sequelize, Mongoose, GraphQL
Collaboration: GitHub, GitLab, Agile

Projects

Joy News   GitHub: https://bit.ly/3NgZZVs   **Deployment:** https://joynews.herokuapp.com/
- Role: React.js Developer, fetch API design
- MERN stack application for viewing and sharing positive news articles.
- Users can view articles, save articles, add friends, comments, and view friend's articles. I built the front end and GraphQL mutations
- Technologies used: MongoDB, Express.js, React.js, Node.js, JavaScript, HTML, CSS, Bootstrap, GraphQL, and Apollo.

Code Savior   GitHub: shorturl.at/fDHW3   **Deployment:** https://codesavior.herokuapp.com/
- Role: Lead Developer, JavaScript quiz creator
- Web application for sharing coding resources and taking coding quizzes.
- Users can make and delete posts, upvote posts, and take coding quizzes. I built the quiz functionality and designed back end structure.
- Technologies used: Handlebars.js, Express.js, Node.js, JavaScript, HTML, SASS, and Mocha.

Movie Me   **GitHub:** shorturl.at/cxF04   **Deployment:** shorturl.at/xyJX1
- Role: Lead Developer, fetch API design
- Web application for getting random movie recommendations.
- Wikipedia API is used to gather names of over 100 movies in different genres. My role was to build the API fetch requests by learning from Wikipedia API documentation.
- Technologies used: Open Movie Database API, Wikipedia API, HTML, JavaScript, CSS, Bulma CSS library.

Work Experience

Viet and Co.   Oct 2017 - Jun 2021
Pile Driver   Rogers, MN
- Created foundation for Iversen Center for Faith underneath St. Thomas Aquinas Chapel while preserving 100 year old historic architecture with complex resistance pier underpinning.
- Coordinated workflow and motivated team with strict deadlines on massive construction projects.
- Calculated elevations and site layouts to engineer's specifications.
- Guided teams while operating pile hammers and drill rigs.
- Welded structures and shoring systems to match blueprints.

Ames Construction   Apr 2014 - Oct 2017
Pile Driver   Burnsvile, MN
- Completed Highway 36 bridge over Lexington Avenue in Roseville, teardown and rebuild in only 60 days, beating tight schedule and budget.
- Built over 20 bridges, read blueprints, calculated elevations and performed site layout.
- Led teams and communicated workflow with EFCO formwork and concrete pours.
- Assembled cranes and rigged loads as a Certified Rigger and Signaler.
- Operated forklift as Certified Powered Industrial Truck Operator.

Education

Bachelor's Degree in Design in Architecture at University of Minnesota
Jan 2014

Certificate in MERN Full Stack Web Development at University of Minnesota
March 2022