

Robin Oster

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Education

Kent State University

B.S. in Computer Science | GPA: 3.9, Deans List

Kent, OH

May 2023

Skills

Languages: C++, C#, C, HTML/CSS, Javascript, PHP, Python, SQL, MongoDB

Frameworks: React, Node.js, JQuery, Axios

Developer Tools: Git, Github, AWS

Projects

Passflare: Event Ticketing System | React, Node.js, JavaScript, Express, MongoDB, Axios

- As a member of an Agile Scrum team, significantly contributed to building a multi-view, responsive ticket management system for organizations and customers to interact.
- Implemented secure account authentication and password validation to ensure the safety of the system, and made login/logout functionality routing to different views based on user authorization.
- Was responsible for integrating SMTP email services into the app, allowing for email verification and recovery of accounts using Nodemailer API.
- Developed frontend using HTML/CSS and converted frontend to React.
- Designed CRUD operations for all user types and organizations.

Mock Tourism Website | HTML/CSS, PHP, MySQL, jQuery

- Worked in pair to create a dynamic full-stack web application with an extensive search feature for users to browse and post about travel destinations around the world.
- Wrote complex SQL queries to implement complex search functionality based on any combination of country, city, or post title and executed SQL statements using the PDO extension.
- Implemented dynamic data retrieval from database via embedded PHP to show updates in real time.
- Built review functionality into the site, including algorithm for displaying top ratings on home page.

Coronavirus Pandemic System Integrated Control | C++

- Leader for Scrum team creating mock-up Coronavirus tracking and appointment scheduling software.
- Kept data dictionary and modelled use-cases and system architecture in UML.
- Responsible for statistics logging and modelling using snapshot design pattern.

Portfolio Website | HTML/CSS, JavaScript, jQuery

- Personal SPA site created to host my portfolio.