Benson Thomas

HOU, TX | 516-218-0816 | bensonthomas1299@gmail.com | Portfolio Website

SUMMARY

- Possesses over 6 years of experience in developing interactive, user-friendly and responsive web applications using React and modern frontend technologies
- Skilled in the MERN stack(MongoDB, Express, React and Node.js) for full-stack development, with a focus on building robust frontend applications
- Strong command over React concepts including hooks, context API, and lifecycle methods
- Utilized CSS & CSS frameworks like Tailwind CSS to implement efficient and responsive design solutions.
- Expertise in creating responsive web pages that works seamlessly across various devices and screen sizes
- Solid knowledge of ES6 features and their application in building dynamic and efficient web applications
- Proficient in managing complex application state using Redux, Redux Toolkit (RTK), Redux Thunk including implementing actions, reducers, and middleware to maintain a predictable and scalable state architecture
- Familiarity with Git for version control and collaboration in distributed teams, ensuring efficient and organized code management
- Experience with testing frameworks like Jest, React Testing Library for unit tests and Playwright for end-to-end tests, ensuring robust and reliable applications
- Exposure to Vue.js for building single-page applications and understanding their ecosystem for modular and maintainable frontend development.
- Experience with ORM tools like TypeORM and Mongoose for efficient database interactions and managing relational and NoSQL databases.
- Extensive experience in using TypeScript for building type-safe, scalable, and maintainable codebases in frontend applications.
- Hands-on experience with Agile development practices, contributing to iterative and incremental software delivery
- Knowledgeable in optimizing web application performance, including lazy loading, code splitting and efficient state management
- Proficient in utilizing cloud platforms like AWS EC2 for deploying scalable web applications, integrating cloud storage solutions and implementing CI/CD services like AWS CodePipeline to enhance application performance and reliability
- Experience with Docker for containerization to ensure consistent application environments across development, testing and production
- Strong communication skills, capable of collaborating effectively with cross-functional teams and contributing to a productive development environment

TECHNICAL SKILLS

Languages: Javascript, Java, Python

Web Tech: HTML5, CSS3, React, Redux, Node.js, Express, MERN, Webpack, Babel, JSON, Axios, OpenAPI specification,

Chart.js, Spring Boot, Spring MVC, JSP, Servlets

Dev Tools: VS Code, Sublime, Postman, Chrome Dev Tool, Redux DevTool

Database: MongoDB, Postgres

Testing Tools: React testing library, JEST

Methodologies Agile, Scrum, Waterfall

Affekta
Apr. 2023 – Present
Senior Software Engineer HOU, TX

Project: Marvin LMS

Affekta is an edtech company focused on developing a cutting-edge platform that dynamically adapts course content to match the user's understanding level. By leveraging advanced AI and machine learning algorithms, Affekta provides a personalized learning experience that adjusts in real-time to meet the unique needs and pace of each learner, ensuring optimal comprehension and engagement

Responsibilities

- Spearheaded the frontend development of Marvin LMS, ensuring the delivery of a dynamic, user-friendly interface that catered to diverse user learning levels.
- Collaborated closely with backend teams to integrate frontend components with RESTful APIs, enabling seamless data exchange and real-time updates for the adaptive learning features.
- Employed modern CSS frameworks such as **Tailwind CSS** to streamline the design process, ensuring consistent styling and enhancing the overall aesthetic appeal of the platform.
- Implemented performance optimization techniques, including **lazy loading**, **code splitting**, and **client-side caching**, to ensure fast and smooth user interactions within the application.
- Conducted thorough code reviews to maintain high code quality standards and mentored junior developers, fostering a collaborative and growth-oriented team environment.
- Deployed machine learning models on **Azure ML Studio**, leveraging cloud-based tools for scalable and efficient model deployment, and integrating these models into the platform to provide real-time insights and recommendations.
- Conducted API testing using **Postman**, ensuring the reliability and functionality of backend services by systematically testing API endpoints, identifying issues, and verifying fixes, thereby enhancing the robustness of the platform.

Paycom
Sept. 2022 - Mar 2023
Software Engineer - Remote

Project: Manager on-the-Go

Paycom's Manager-on-the-Go is a robust HR management tool designed to empower managers with the ability to handle critical HR functions from anywhere at any time. It enables seamless multitasking by allowing managers to complete essential tasks such as approving time-off requests, viewing employee performance data, and managing schedules without being tied to a desktop. It provides real-time access to important information, enhancing the efficiency and productivity of management activities.

Responsibilities

- Assisted in the development of user-friendly interfaces for the payroll dashboard using React, contributing to a consistent and responsive user experience.
- Developed and integrated client-side form validation for payroll input forms using React, ensuring data integrity and improving user experience.
- Utilized Redux with Thunks and RTK (Redux Toolkit) to manage complex state across the payroll dashboard application, enabling efficient state management, asynchronous data fetching, and reducing boilerplate code for enhanced developer productivity.
- Integrated OpenAPI Specification to document and streamline API development, ensuring clear and consistent API documentation, facilitating better communication among teams, and enabling automated API testing
- Implemented basic data visualization features using chart libraries like Chart.js, aiding in the display of data trends and metrics.
- Worked as part of an Agile team, participating in daily stand-ups, sprint planning, and retrospectives to deliver

frontend features for the payroll dashboard on time.

Virtusa Inc

May. 2021 - Jul .2022

Associate Software Engineer - Remote

Virtusa is a global IT services and consulting company that specializes in digital transformation and innovative technology solutions. By leveraging deep industry expertise and cutting-edge technologies, Virtusa helps organizations enhance operational efficiency, drive growth, and create impactful digital experiences across various sectors including banking, healthcare

Responsibilities

- Worked on the development and maintenance of robust web applications using Spring Boot and Spring MVC, ensuring high performance and scalability across multiple projects.
- Designed and implemented dynamic, server-side rendered web pages using JSP and Servlets, enhancing user interactivity and ensuring data-driven content delivery.
- Developed responsive and user-friendly front-end interfaces using HTML and CSS, focusing on cross-browser compatibility and maintaining high standards of user experience.
- Utilized Adobe Experience Manager (AEM) to create and manage dynamic content-driven websites, facilitating efficient content updates and streamlining workflows for content authors.
- Enhanced the functionality and interactivity of web applications by integrating JavaScript frameworks, ensuring a seamless and engaging user experience across platforms.
- Worked closely with cross-functional teams, including QA and design, to deliver high-quality software solutions that meet client requirements and exceeded expectations.
- Migrated React Router from version 5 to version 6, leveraging the latest features and improved routing capabilities to enhance application performance and streamline the routing logic

Jaro Education

Jan, 2020 - Dec, 2020

Graduate Engineer Trainee, Remote

Jaro Education offers a robust suite of online and executive education programs, empowering professionals to advance their careers from anywhere at any time. The platform facilitates seamless learning experiences, enabling professionals to upskill through real-time, interactive modules. Jaro Education's offerings are designed to enhance productivity and ensure that individuals can achieve their educational goals without the constraints of traditional classroom settings.

- Assisted in the development and implementation of user-friendly interfaces for Great Learning's edtech platform using React, ensuring a seamless user experience across different devices and browsers.
- Contributed to the development of responsive web designs using CSS and styled-components, ensuring the platform's accessibility and usability on mobile and desktop devices.
- Managed code changes and collaborated with team members using Git, following best practices in branch management and pull request processes to ensure a streamlined development workflow.
- Implemented basic accessibility features such as ARIA roles and improved keyboard navigation, ensuring the platform meets accessibility standards and provides an inclusive user experience.
- Collaborated in an Agile environment, participating in daily stand-ups, sprint planning, and code reviews to ensure timely delivery of new features and enhancements.

Software Engineer

Petrasys offers a vibrant fiber-optic sensor technology to safeguard territories against third-party intrusion. The customized detection system provides an extensive solution against unauthorized infiltration into open borders or private property. Petrasys' brilliant R&D team gives us a decisive competitive advantage in software and hardware development, bringing revolutionary solutions to their customers. Petrasys' solutions are equally suitable for security systems, IoT, and industrial automation.

- Conducted research and development for surveillance systems using fiber-optic technology to detect animal movement in forests.
- Developed an Android application for the company's surveillance system. Integrated Google Maps API to display detection locations, providing real-time visualization of sensor data on the map.
- Implemented Firebase for user authentication and data storage, ensuring secure and efficient handling of user information.
- Worked closely with the Machine Learning team to understand the data transmission process and classification algorithms.
- Participated in the integration of hardware and software components, ensuring seamless communication between sensors and the app.