Bashu Bisht

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EDUCATION

Master of Science in Information Systems   (GPA: 3.8) May 2024
Northeastern University, Boston
Courses: Web Design and Development, UI/UX Design and Development, Building Virtual Environments, Object Oriented Design, Data Science Engineering with Python, Application Modeling & Design, Data Management and Database Design, Application Engineering and Development, Smartphone Application Development

SKILLS

- Languages & Frameworks: JavaScript, TypeScript, React.js, Next.js, React Native, Node.js, Swift, Three.js, WebGL
- Web Technologies: Angular, HTML5, CSS, Tailwind, Bootstrap, Firebase, RESTful APIs
- Tools: Figma, Balsamiq, Jest, Xcode, Jenkins, Visual Studio, GitHub, Unity
- Cloud and Databases: AWS, MySQL, MS SQL Server, MongoDB, Snowflake

WORK EXPERIENCE

Frontend Software Engineer   Sept 2024 - Present
Bright Mind Enrichment and schooling | New York
- Lead a team in designing and developing the UI/UX of the organization's website, ensuring an intuitive and visually engaging user experience, **resulting in a 25% increase in user engagement metrics**.
- Optimize website performance through SEO and STO strategies, **achieving a 40% improvement** in page load times and a **30% increase in user retention and search engine visibility**.
- Build and maintain the website using React.js, TypeScript, and Tailwind CSS, ensuring scalability and maintainability, while **reducing development time by 20%** through reusable components.
- Collaborate with cross-functional teams to integrate APIs using Axios and RESTful services and manage state efficiently with Redux, enabling real-time dynamic content updates and i**mproving data synchronization by 35%**.
- Conduct user feedback sessions with over **50 users**, refining design elements and enhancing accessibility to meet WCAG 2.1 standards, improving the user experience for diverse audiences.
- Implement best practices for frontend development, including code reviews, documentation, and unit testing using Jest, to maintain a clean, scalable, and high-quality codebase, **reducing bug frequency by 25%**.
- Proactively identify and resolve technical challenges, such as cross-browser compatibility issues and rendering delays, ensuring smooth functionality and robust performance across all devices and browsers.
- Deliver key project milestones in an Agile environment, **achieving 100% on-time delivery of sprints**.

Frontend Software Engineer   July 2018 - Dec 2021
Convrse.ai | Singapore
- Led the end-to-end development of the UI for a 3D optimizer tool, utilizing modular NextJS/ React components, Three.js, WebGL, and Tailwind CSS.
- **Cut bundle sizes by 30% and improved module load times by 50%**, enhancing scalability and seamless navigation by implementing a Micro Frontend architecture.
- **Reduced initial page load time by 30%** and improved user experience during peak traffic by implementing dynamic asset loading and lazy loading techniques.
- **Decreased data retrieval time by 30%** by developing RESTful APIs with Next.js API routes to enable efficient server-side logic and smooth communication between the frontend and backend.
- **Achieved a 70% reduction in bugs** by integrating continuous testing pipelines using Jest for unit and integration testing, ensuring high code reliability and faster development cycles.
- **Improved user task completion rates by 15%** by collaborating with the product design team using Figma and Jira, iteratively refining user interfaces through user feedback loops.
- **Ensured alignment with project goals and iterative development** by participating in Scrum ceremonies, including sprint planning, daily stand-ups, and retrospectives.
- **Expanded the user base by 40% within 6 months post-launch** by extending the 3D real-estate SaaS tool to iOS and Android platforms using React Native, incorporating adaptive UI and offline support.

Teaching Assistant   Sept 2022 - May 2024
Northeastern University | United States
- **Led and instructed** 4 weekly lab sessions on JavaScript, introducing Git/GitHub for version control and enhancing understanding of front-end fundamentals.
- Provided personalized support, aiding students in resolving front-end programming issues and implementing JavaScript unit tests for code reliability.
- **Mentored** students in JavaScript, HTML, and CSS, fostering a solid foundation in front-end development principles.
- **Collaborated** with students to integrate front-end components with back-end services, promoting interdisciplinary teamwork and guiding effective collaboration practices with Git/GitHub.

PROJECTS

- **Blackjack Game** (2025): Designed and implemented a fully functional Blackjack game with interactive features, including real-time scoring, sound effects, and seamless user interaction, leveraging **HTML, CSS,** and **JavaScript**. Github Link: https://github.com/bashubisht/BlackJack
- **Personalized Fitness App** (2024)**:** Designed and developed an **iOS** fitness app using **SwiftUI** and **Swift**, featuring personalized workout plans, diet strategies, and real-time progress tracking. Integrated **Node.js** and **MongoDB** for a scalable backend, delivering a seamless, data-driven experience to empower users in achieving their fitness goals. Github Link: https://github.com/bashubisht/iOS-FitnessApp
- **E-Commerce Website** (2023)**:** Developed a full-stack e-commerce platform using the **MERN** stack (**MongoDB, Express.js, React.js, Node.js**) with features like real-time updates, user authentication, and payment integration, using **JavaScript** to enhance user experience and operational efficiency. Github Link: https://github.com/bashubisht/E-commerceWebsite