Vikram Ravi

Email : vikraamravi@gmail.com   **Mobile :** +1-647-617-1847

Portfolio : https://vikramportfolio.vercel.app/

Professional Summary:

Experienced Senior Full Stack Developer with 6+ years of expertise in **React.js, Next.js, Angular 17, and Node.js**, specializing in building high-performance, scalable web applications. Adept at designing and developing user-centric UIs, optimizing application performance, and implementing modern JavaScript best practices. Strong experience in backend development using **Node.js, Express.js, and databases (PostgreSQL)**, along with cloud technologies like **AWS**.

Frontend Development

- **React & Next.js Mastery:** Extensive experience with React Hooks, Context API, Redux, and React Query, ensuring efficient state management and scalability.
- **Performance Optimization:** Implemented code splitting, lazy loading, memoization, and SSR in Next.js, enhancing application performance.
- **UI/UX & Dynamic Forms:** Built accessible, dynamic, and high-performance React applications with complex form validation and optimized rendering.
- **Component Architecture:** Designed modular, reusable components with custom hooks, HOCs, and code-splitting techniques.

Backend & API Development

- **Node.js & Express.js:** Developed RESTful and GraphQL APIs, implemented authentication (JWT, OAuth), and optimized database interactions (PostgreSQL).
- **Microservices & API Integration:** Designed scalable microservices architecture, integrating third-party APIs for enhanced functionality.
- **Database Optimization:** Proficient in writing optimized queries and managing databases to improve data processing.

Cloud & DevOps (AWS, CI/CD, Bitbucket)

- **AWS Services:** Experience with EC2, S3, RDS, API Gateway, and serverless computing for scalable deployments.
- **Bitbucket & CI/CD Pipelines:** Managed Bitbucket repositories, implemented CI/CD automation with Jenkins and GitHub Actions, and utilized Docker for consistent development environments.

Leadership & Mentorship

- **Team Leadership & Code Reviews:** Led teams of 5+ developers, providing mentorship, conducting code reviews, and ensuring best practices.
- **Enterprise SDLC Experience:** Active involvement in requirement analysis, estimation, development, debugging, deployment, and maintenance, contributing to 30+ successful feature releases.

Education:

Masters of Engineering
University of Windsor, Windsor, Canada

Bachelor of Engineering
Anna University, Chennai, India

Technical Skills:

Web Technology	HTML5, CSS3, Bootstrap-3, SASS/LESS, Object Oriented JavaScript Programming, JSON, Python, SQL, Typescript and Java.
JavaScript frameworks& Libraries	Javascript, Typescript, React.js, Next.Js, JQuery, Angular 17, Node.js, Ajax, Express.js
Unit Test Framework	Jest, Enzyme
Debugging Tools	Chrome Developer Tools, Firebug, HTML Validator, POSTMAN.
IDEs & Build Tools	Visual Studio Code, Eclipse, Web Storm, Sublime Text Editor, Notepad++.
Version Control Tools	Bitbucket.
Cloud / DevOps CI/CD	Jenkins, AWS

Skills Experience:

Company: Scotia Bank, Toronto   **Job Title: Senior FullStack Developer**
Duration: Aug 2021 –Present
Responsibilities:

- Built a Project Locator UI using maps for real-time location-based results, improving user engagement.

- Drove the migration of a legacy locator system to Next.js, achieving a 30% improvement in page load times and enhancing overall application performance, as acknowledged in positive feedback from users and stakeholders.

- Implemented lazy loading and code-splitting to optimize performance and reduce initial load times.

- Collaborated with designers to refine user interface designs, securing approval from the line of business for enhanced usability and aesthetic appeal.

- Developed reusable React components for multiple lines of business, facilitating efficient development and consistent user experiences across platforms.

- Managed and optimized Jenkins pipelines for PR deployments, introducing automation scripts that reduced deployment times by 40%, significantly improving the CI/CD process and receiving commendation from the development team for process improvements.

- Integrated Redis caching to reduce load on PostgreSQL, enhancing API response times.

- Developed user interface using Asynchronous validation for the fast and user-friendly access using AJAX.

- Created custom carousel for React application without using any external library and made it dynamic to fetch content and display them on load.

- Understood the Business functionality and requirement and derived formulae for some of the tools in react apps to generate accurate data.
- Collaborated with backend engineers (Node.js, REST APIs) to improve data retrieval and API performance
- Created middleware for API validation, ensuring data integrity before processing requests..
- Built reusable services and components for API consumption, ensuring consistent and maintainable integrations across multiple modules.
- Deployed frontend and backend applications on AWS using services like EC2 and S3, ensuring high availability and scalability.
- Improved the performance of over 10+ pages through optimization techniques leveraging tools such as Lighthouse, Google PageSpeed Insights, and Web Vitals.
- Led code reviews, knowledge-sharing sessions, and mentorship programs, enhancing the team's expertise in React and Next.js best practices.

Environment: HTML, CSS, React.js, Rest API, Redux,Node.JS, Jira, Bitbucket, AWS

Company: Ionixx Technologies,Chennai   **Job Title: Programmer**
Duration: June 2017 –April 2019
Responsibilities:

- Worked in Agile Development and maintained a good level of communication in the team going through all phases of SDLC of the web application using HTML5, CSS3, JavaScript and React JS to deliver user interfaces and components.
- Built and optimized middleware services using Express.js to improve request handling and error management in backend services.
- Worked on responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using React.js.
- Used React-Autocomplete for creating Google map's location search on the webpage.
- In Phase Two, worked closely with the Back-End team to display data using the Custom Components, library Components and Redux.
- Used Middleware, Redux-Promise in application to retrieve data from Back-End and to also perform RESTFUL services.
- Optimized Node.js backend performance by implementing caching strategies (Redis), reducing database query times by 40%.
- Worked with backend engineers to optimize existing API calls to create efficiencies by deprecating unneeded API calls.
- Created custom bar graphs for some application without using any library which changes dynamically according to data to represent years.
- Collaborated with DevOps team to setup a dependable and automated deployment pipeline for frontend features, lowering release cycle times.
- Utilized middleware tools like Express.js to manage routing, request handling, and error management.

Environment: HTML 5, CSS3, SASS, LESS, JavaScript, Bootstrap, ReactJS, Redux, Restful API, JIRA,and Web Storm