

Hema V

MERN (MongoDB, Express, React, Node.js) stack developer

🏠 Kitchener, ON

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GitHub - <https://github.com/hemavasupalli>

Portfolio - <https://hemavasupalli.com/>

To expand my knowledge as a MERN stack Developer/Front End developer with 5+ years of proven expertise that I have learnt through my education and Experience. My objective is to contribute towards stakeholder growth for the client and organization I work for by my perpetual inclination, which is contributed by personal traits like dedication, experience, knowledge and understanding of the process and business functions.

Professional Summary

- Skilled in developing complex web applications using React and Redux, with a deep understanding of modern web development technologies such as JavaScript, ES6, TypeScript, HTML, CSS, and Tailwind.
- Develop and maintain web applications using the MERN (MongoDB, Express.js, React, Node.js) stack, ensuring high performance, scalability, and reliability.
- Knowledgeable in RESTful API design and development, with experience in building scalable and secure APIs using Node.js and MongoDB.
- Building RESTful APIs and microservices using Node.js and Express.js, integrating with MongoDB and other third-party services as needed.
- Experience in implementing user authentication and authorization using JWT.
- Experienced in deploying and managing cloud-based applications on AWS Lambda, with a strong understanding of serverless architecture and AWS services such as S3, API Gateway, and DynamoDB.
- Configuring Kubernetes resources like deployments, services, and pods. Understanding Kubernetes networking and storage
- Setting up and configuring Jenkins CI/CD pipelines
- Conducting code reviews and providing feedback to other developers on the team, ensuring adherence to coding standards and best practices.
- Writing Jenkins pipeline code using Jenkins file and Integrating Jenkins with version control systems like Git
- Troubleshooting Jenkins pipeline issues
- Familiar with Git version control, Jenkins, GitHub, Docker, OpenShift, Kubernetes and CI/CD pipelines, with experience in testing and deploying software changes in a continuous integration environment using Jest, Selenium, Webpack, Parcel, and other modern web development tools.
- Comfortable working in a fast-paced and dynamic environment, with excellent problem-solving and communication skills.
- Passionate about staying up to date with the latest web development technologies and trends, and eager to learn and grow in a collaborative team environment.
- Proven ability to work effectively independently and as part of a team, with a strong focus on delivering high-quality software that meets business requirements.

- Results-oriented and dedicated to delivering value to clients and stakeholders through innovative, user-friendly software solutions.
- Familiar with project management tools such as Jira and Confluence and experienced in working in Agile software development environments.

Experience

2021 – PRESENT

MERN Stack Developer /Property Vista (Contract), Toronto, ON

- Working on Feature enhancement for Java applications.
- Developed web applications using React for Property management Pages.
- Developed and maintained a web application using the MERN (MongoDB, Express.js, React, Node.js) stack for property management pages, as the sole developer responsible for requirement gathering, UX design discussions, development, deployment, and maintenance.
- Wrote clean, efficient, and well-documented code using React, ES6, and functional programming principles to build reusable components and libraries for future use.
- Implemented RESTful APIs and web services, integrating with MongoDB, and utilizing server-side logic with Node.js and Express.js for authentication and authorization.
- Performed code reviews, unit/functional test case reviews, and refactoring, utilizing Jest for mocking functions and writing unit tests for component coverage reports.
- Upgraded packages to new versions, resolved vulnerabilities and conflicts, and leveraged AWS services such as CloudFront, DynamoDB, S3, API Gateway, and Lambda to deploy infrastructure and ensure high performance, scalability, and reliability.
- Participated in Agile methodologies and ceremonies, including sprint planning and backlog refinement, using Jira for user story tracking processes and streamlining agile planning.
- As the sole developer, indulged in requirement gathering, UX design discussions, development, deployment, and maintenance.
- functions and writing unit tests for testing component coverage reports.
- Upgraded packages to new versions and resolved vulnerabilities and conflicts.

2018 –2021

Application Development Analyst /Accenture, India

- Developed web applications using React for **Sanofi** projects.
- As the sole developer, indulged in requirement gathering, UX design discussions, development, deployment and maintenance.
- Integrated Redux with React components and utilized selectors to optimize rendering and improve application speed.
- Designed and implemented React Router to handle navigation and routing in a complex web application.
- Optimized performance of user interface by implementing debouncing on frequently used input fields, resulting in improved speed and reduced server load.
- Utilized Tailwind CSS to create a responsive, modern user interface for a web application, resulting in improved accessibility and user experience.
- Utilized client-side caching to reduce the amount of data requested from the server and improve user experience.

- Implemented Different pages and routes for Login, Products, and Product details using React Router components Route, Switch, Link, props, state, lists, event handlers, and form inputs.
- Authenticating and authorizing users by taking username, and password and doing login POST HTTP API Call and implementing filters by sending them as query parameters to product API calls.
- Persisted user login state by keeping jwt token in local storage, sending it in headers of further API calls to authorize the user.
- Designed and implemented RESTful APIs using Express, including route handling, request/response validation, and error handling.
- Creating RESTful services using Node JS.
- Designed and implemented MongoDB data models for various applications, ensuring optimal performance and scalability.
- Oversaw all Agile methodologies and ceremonies - sprint planning, backlog refinement. Used Jira for user story tracking processes and streamlining agile planning.

Skills

React • JavaScript • ES6 • TypeScript • Redux • HTML • CSS • Tailwind • Node.js • Express.js • MongoDB • Jest • Webpack • Parcel • Git • GitHub • Bitbucket • AWS • Jira • Confluence • Firebase.

Education

2014-2018

Computer Science of Engineering/Gitam University, Vizag

Projects

YouTube App (React, Redux, Router, Debouncing)

- Developed a **YouTube** app in React using the YouTube API, resulting in a user-friendly interface for searching and viewing videos.
- Utilized React hooks to manage state and update the UI in response to user input.
- Implemented features such as Debouncing, caching, and Polling to allow users to easily find Search suggestions using search suggestion API and find videos.
- Utilized React Router to handle navigation between pages and allow users to easily share links to specific videos.
- Utilized Tailwind CSS to create a responsive, modern user interface for a web application, resulting in improved accessibility and user experience.

Fish Online App (React, Redux, Router)

- Designed and implemented a **Fish online Ordering** app in React, resulting in a seamless and user-friendly experience for customers.
- Utilized Redux to manage state and update the UI in response to user input, resulting in improved performance and reduced bugs.
- Integrated with third-party APIs such as tender cuts.
- Designed and implemented a responsive UI using CSS and Tailwind, resulting in a consistent experience across devices and screen sizes.
- Implemented features such as search, filtering, and sorting to allow customers to easily find and order their desired fish products.
- Utilized React Router to handle navigation between pages and allow customers to easily return to previous pages or complete multiple orders.