SENTHIL KUMAR
SOFTWARE ENGINEER

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SUMMARY

Dedicated and skilled Full Stack MERN Developer with 3 years of hands-on experience in designing, developing, and deploying robust web applications. Proficient in both frontend and backend technologies, specializing in creating seamless user experiences using React.js and Node.js. Adept at building scalable and maintainable systems, with a strong understanding of the entire development lifecycle.Seeking opportunities to leverage expertise in full-stack development to contribute to innovative and impactful projects

EDUCATION

KGISL Institute of Technology
Bachelors Mechanical Engineering 2015

EMPLOYMENT

STU BIZ Solutions Private Limited, *Mid-Level developer-Remote*   Dec. 2022 - Current
- Utilized Jira for project management, including sprint planning, backlog grooming, and task tracking
- Collaborated with cross-functional Agile teams to develop and maintain MERN stack web applications
- Develop and implement responsive and user friendly interface using Typscript,HTML5 and CSS3
- Carried out the adaptation of SAAS applications to incorporate new features, ensuring seamless integration with existing functionalities, scalability, and maintainability
- Implemented and optimized AWS email automation features using Amazon SES to enhance the application's communication capabilities
- Configured and maintained email templates and rules within the AWS environment for automated responses and notifications
- Automated repetitive testing tasks, resulting in a 15% reduction in testing time and increased efficiency in the development lifecycle.
- Optimize code architecture for improved loading times and overall application performance
- Facilitate the integration of new features into the application by efficiently managing state changes with Redux, guaranteeing a smooth transition and optimal user experience
- Managed Git repositories, including creating branches, resolving merge conflicts, and performing regular maintenance tasks to ensure the integrity and availability of project code
- Configured and optimized Webpack build processes, enhancing the efficiency of the development workflow and reducing page load times by 15% through effective bundling and code splitting
- Worked closely with DevOps teams to monitor and optimize Docker container performance, ensuring efficient resource utilization
- Implement logging for tracking application events and debugging
- Conducted regular code reviews, utilizing ESLint rules to maintain a high level of code quality and adherence to coding standards, thereby minimizing technical debt and ensuring a maintainable codebase
- Develop and maintain APIs for external services or third-party integrations.
- Document APIs for easy consumption by other developers
- Implement redundancy and disaster recovery strategies and test data recovery procedures to ensure quick restoration in case of failures
- Stay updated on security best practices and emerging threats

Junior full stack developer-Remote   Jan. 2021 - May 2022
- Utilized Jira for project management, including sprint planning, backlog grooming, and task tracking following the Agile/Scrum
- Develop and implement responsive and user-friendly web interfaces using HTML5, CSS3, and JavaScript ES6
- Collaborate with UX/UI designers to translate design concepts into functional components
- Implement and update React Hooks to accommodate the specific logic required for the newly introduced features, ensuring that functional components remain dynamic and responsive using Reactjs
- Implemented Babel transpilation to ensure cross-browser compatibility and improved performance, allowing the development team to utilize the latest ECMAScript features while maintaining backward compatibility
- Utilize media queries and flexible grid systems for consistent mobile responsiveness
- Implemented and executed comprehensive unit tests using Jest framework to ensure the reliability and functionality of critical software components
- Collaborated with development and operations teams to design and implement CI/CD workflows, utilizing tools such as Docker to enable automated testing and deployment
- Integrated with MYSQL and MongoDB databases for data storage implementing CRUD operation for efficient data management using Nodejs
- Optimize database queries and ensure data integrity
- Implement secure user authentication using JWT (JSON Web Tokens)
- Implemented robust error handling by creating a custom error handling class that is scalable and log detailed error information during debugging
- Establish regular backup routines for critical data
- Collaborated with cross-functional teams to establish and enforce branching strategies, reducing code conflicts and ensuring a stable and efficient development environment

SKILLS

MERN SKILLS: JavaScript, TypeScript, Nodejs, Reactjs, Expressjs, MongoDB, MYSQL, AWS, RestfulAPI, Tailwind CSS, HTML, Jira, Agile, Git, Saas, Redux, npm, Docker, JWT, CI/CD