Madhavi Jaival Full Stack Developer

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Profile

Experienced Full stack Developer with 3 years of experience in designing, developing and maintaining web applications, backend services and databases. Good in user engagement, revenue, system performance, and security while reducing operational costs, bugs, and software release times. skilled in both frontend and backend, microservices architecture,automated testing, continues integration and software libraries and framework.

Skills

Front-end Technologies: (HTML5, CSS3, JavaScript, React.js, Angular, Bootstrap, jQuery),
Database Technologies: (MySQL, MongoDB, PostgreSQL, SQL Server, Oracle),
Back-end Technologies: (Node.js, Express.js, Java, Python, MVC Framework, RESTful APIs, Micro-services),
Tools and Technologies: (Git, Visual Studio Code, Docker, Apache, Amazon Web Services (AWS), Swagger, Postman,GitLab, Jira)

Professional Experience

Full Stack Developer, *HCL Tech* 09/2022 – present | Remote, USA

- Crafted the front-end of a comprehensive sales management system employing React JS, HTML, CSS, and JavaScript, ensuring an intuitive and visually appealing user experience.
- Utilized React JS and associated libraries to construct efficient and high-performance user interfaces and components that provide seamless and responsive interactions.
- Ensured consistent functionality and aesthetics across various browsers and devices by implementing responsive web designs utilizing CSS and HTML.
- Reduced website load times and enhanced performance through best practices, including code splitting, lazy loading, and strategic caching strategies.
- Interfaced the system with AWS services like DynamoDB, Lambda, and S3 Bucket to securely store and manage intricate sales data.
- Ensured the reliability and consistency of API endpoints by conducting thorough validation and testing using Postman.
- Worked collaboratively with the development team to incorporate new features and continuously refine the system, promoting iterative improvement and adaptability.

Software Developer Intern, *SubmitIt* 01/2022 – 08/2022 | Remote, USA

- Utilized Vue.js for front-end development, crafting fast, responsive user interfaces with smooth transitions and animations that enhance user experience.
- Used CSS pre-processors such as Sass and Less to implement sophisticated styles, ensuring easy maintainability and consistent design.
- Engineered a robust backend using Prisma, MySQL, and TypeScript, optimizing it to handle varying levels of traffic seamlessly.
- Successfully deployed applications on AWS ECS Fargate using Docker containers, achieving efficient scaling and optimal resource utilization.

Full Stack Developer, *Pravel Solutions* 01/2019 – 03/2020 | Remote, India

- Spearheaded the development of a dynamic movie review website's backend using Node.js, leveraging PostgreSQL as the database.
- Crafted a seamless and visually appealing frontend utilizing React.js, with a choice of Bootstrap or Material UI for a polished design.
- Engineered and maintained the website's pagination functionality, optimizing user experience by facilitating easy navigation through extensive movie data.
- Implemented robust RESTful APIs to meticulously handle HTTP requests and responses for both movie and user data.
- Collaborated with external platforms, such as IMDb and The Movie Database, to retrieve additional movie data, ensuring seamless integration into the website.
- Actively participated in code reviews, providing insightful and constructive feedback to peers, contributing to a culture of continuous improvement and elevated code quality.

Education

Master of Science, *California State University* 01/2021 – 12/2022 | Northridge, USA
Computer Science

Bachelor of Engineering, *Savitribai Phule Pune University* 08/2016 – 07/2019 | Pune, India
Computer Engineering

Publications

Serverless Cloud Functions - Opportunity in Chaos

- Published in IEEE (2022 International Conference on Computational Science and Computational Intelligence (CSCI)).
- Tested serverless functions under controlled chaos experiments and found that during heavy 1000-client loads, long-latency operations can improve response time by 36.5% by failing early.