Prem Kumar V

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Experience

Product Engineer 2, MathCo – Bengaluru   July 2022 – Present

- Led full-stack development of advanced data visualization platforms using React.js and FastAPI, integrating outputs from Gen AI services to enable data-driven decision-making with real-time insights.
- Built scalable frontend and backend components using React.js, Next.js, and efficient state management techniques to support predictive analytics and customer trend forecasting.
- Delivered robust, production-ready features while collaborating cross-functionally with Data Science, UX, and Engineering teams, ensuring seamless integration and high-performance user experiences.

Software Engineer, Soft Suave Technologies – Chennai   April 2021 - May 2022

- Developed and deployed scalable, responsive web applications using React.js, Express.js, and MongoDB.
- Integrated REST APIs for seamless data retrieval and dynamic content display, boosting application functionality.
- Optimized applications for SEO, improving visibility, ensured smooth collaboration through Git version control.

Projects

NucliOS - A MathCo Product

- Integrated real-time event management features, NLP chatbots for user assistance, and customizable dashboards, improving operational workflows and user engagement for clients on the NucliOS platform.
- Tools Used: React.js, Javascript, Python, FastAPI, PostgreSQL, Azure, Micro Frontends, Socket.IO

eSense

- Developed a school management tool that automated classroom tasks and administrative duties. Streamlined workflows reduced administrative workload by 30%, enabling educators to dedicate more time to teaching.
- Tools Used: React.js, Express.js, JavaScript, PostgreSQL, Redux, Micro Services, MUI, Formik.

WSL

- Developed a multi-tenant COVID-19 test management system with online payment integration, boosting revenue by 60%. Streamlined test scheduling and payment processes for increased efficiency.
- Tools Used: NextJS, Express.js, MongoDB, Typescript, Micro Services, Stripe

Technical Skills

Languages: JavaScript, Python, TypeScript, SQL, HTML/CSS

Frameworks and Libraries: React.js, Node.js, FastAPI, Next.js, Express.js, Redux, MUI, Tailwind CSS, Bootstrap

Testing Tools: React Testing Library, Jest

Database: PostgreSQL, MySQL

Cloud Service: Azure

Developer Tools: GIT, Azure DevOps, Docker, GitHub, DBeaver, Postman

Others: SOLID Principles, Design Patterns, Webpack, REST API, React Hooks, CI/CD, Logging and Monitoring

Education

Jeppiaar Engineering College   Chennai, India
Bachelor of Engineering   2014 - 2018

Awards

Value Award - Ambition and Hunger   May, 2023
MathCo

Prime Team Player - Exceptional expertise in team playing   August, 2021
Soft Suave Technologies