JEEVA SARAVANAN

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Education

Government College of Engineering (GEC)   *Erode, Tamil Nadu*
Bachelors in Computer Science and Engineering   *4+ years*

Experience

Lumel Technologies   **Chennai(Hybrid), TN**
Senior Product Developer   *1+ years*
- Led the integration of data transfer across multiple PowerBI visuals, ensuring inter-visual collaboration.
- Optimized system performance by implementing table filters, hashing techniques, and enhancing backend efficiency through the use of stored procedures, resulting in faster query execution and improved data retrieval.
- Oversaw the entire SDLC to migrate Power BI applications to web platforms, broadening cross-platform usability.

Product Developer   *1+ years*
- Developed reusable UI components, reducing development time by 55%.
- Implemented Jest-based unit testing, and peer reviews to maintain high-quality standards.
- Boosted performance in product using defer data fetch, virtualization and lazy loading techniques.
- Built and optimized a data grid table (react-table, ag-grid) for efficient data management, usability and visualization.
- Implemented Pub/Sub architecture, message queuing, and Redux store management to enhance state management and facilitate real-time communication in the application, improving overall performance and responsiveness

Associate Product Developer   *1+ years*
- Fixed critical bugs to improve product reliability and functionality.
- Built a custom formula engine with an integrated parser to support advanced, accurate calculations.
- Integrated Storybook for UI testing/documentation, and incorporated TypeScript into a JavaScript project to enhance type safety and code maintainability.

Visual BI Solutions   **Chennai(Remote), TN**
BI Developer Intern And Trainee   *1+ years*
- Created React components to improve front-end performance and user experience.
- Contributed to analytical features, implementing mathematical computations and D3.js-based data visualizations.
- Managed CI/CD pipelines, collaborating with cross-functional teams via JIRA and Git for effective project execution.

Projects

Web Apps | *JavaScript, TypeScript, React, Node.js, TypeORM, Redis*   *4+ years*
- Developed user-friendly Power BI products (Valq and Inforiver - Company's projects) that provide visual data representations in formats like tree, graph, charts and tables. Created features for calculations, data aggregation, and storage, allowing users to interact with data more effectively. Implemented write-back capabilities for seamless data updates and enhanced reporting functions to support data export. Improved overall performance and usability, resulting in a significant increase in user satisfaction

Management projects | *Passport and Bus Ticket Management | Python, Flask, HTML, CSS, React, SQLite*   *1+ years*
- Developed comprehensive management systems for passport and bus ticketing, enabling online search and interactions. Utilized Flask for backend and either Tkinter GUI or React Webpage for dynamic frontend. Integrated payment processing and email notifications to enhance user experience and streamline transactions.

Technical Skills

Languages: JavaScript, TypeScript, Python, HTML, CSS, SQL
Concepts: Data Structures and Algorithms, Web Development, Application Programming Interfaces, Database Management
Frontend: React Ecosystem [React, Next.js, React Native (via Expo), Redux, React Query, React Router], UI [Framer-motion, Bootstrap, MaterialUI, shadcn], Styling [Tailwind, Sass, PostCSS]
Backend: APIs [REST, GraphQL] , Frameworks [Node.js, Express.js, Flask, Django], Tools [Docker, RabbitMQ]
Database: SQL [MySQL, PostgreSQL, SQLite], NoSQL [MongoDB, Firebase, Redis], ORMs [TypeORM, SqlAlchemy]
Development: Editor [VSCode, Zed], Terminal [Wrap], Test [Jest, Cypress, Pytest], API [Swagger, Postman] ,Web Security [HTTPS, CORS], Auth [OAuth, JWT], Package Manager [NPM, Pip], Build [Webpack,Vite], Quality [JSDoc, ESLint, Perittier, Husky, Storybook, Pylint] , Control [Git, GitHub, GitHub Actions, Circle CI]
Collaboration: Design [Figma, Excalidraw], Management [Jira, Trello], Documentation [Obsidian, Notion], AI Tools [GitHub Copilot, Codiumai PR Agent, ChatGPT] , Communication [Slack, Microsoft Teams]

Achievements

Out of the Box Thinker Award: Acknowledged for consistently delivering innovative solutions and demonstrating exceptional performance in various projects and initiatives.
Leadership & Team Management: Spearheaded a high-performing team to successfully accomplish project objectives, significantly enhancing collaboration and driving overall team efficiency and effectiveness.
Customer Issue Resolution: Conducted customer calls to analyze and resolve critical bugs with priority and swift delivery, successfully addressing over 20 issues and enhancing customer satisfaction.