Jaisuriya P K

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Technical Skills

- **Programming Languages**: Python, Core Java, TypeScript, SQL, HTML, CSS, MongoDB, Go lang
- **Frameworks/Tools**: React.js, Redux, Laravel, Next.js v13, Git, GitHub, Figma, Postman, VS Code
- **Core Skills**: UX / UX Design, Data Structures and Algorithms

Work Experience

Solution Associate   *Dec 2024 – Present*
Whirldata Inc   Chennai, India

- Engineered a robust **visualization module** for 400k+ unique invoice cases using Recharts within React framework, enabling users to identify discrepancies swiftly and contributing to more efficient financial auditing processes.
- Improved real-time tracking, increasing user efficiency by **25%** in identifying discrepancies and reducing manual errors.
- **Optimized data export functionality** in Laravel for large datasets (400K+ records) by implementing queued jobs, reducing export times from **5 minutes to 60 seconds**, improving user experience and operational efficiency.
- **Migrated UI** from Syncfusion (paid) to Rsuite UI (open-source), cutting licensing costs by **40%** while maintaining functionality.
- **Secured Jupyter Notebook environment** with login authentication and JavaScript-based restrictions to prevent unauthorized script execution and file downloads, deployed within a Docker container for enhanced isolation.
- Created a **3D visualized charts** (e.g., 3D bar charts, maps) on the executive dashboard, enhancing user interaction and data comprehension.

Solution Trainee   *Mar 2024 – Nov 2024*
Whirldata Inc   Chennai, India

- Built a **responsive client management module** for ThinkRisk, improving the load time by **30%**.
- Enhanced ThinkRisk web application performance by **15%** using Chrome Lighthouse and React best practices.
- **Implemented filtering capabilities with Redux**, optimizing data management processes and improving platform responsiveness by **30%**.
- Authored detailed **technical documentation** for newly developed modules which facilitated onboarding processes

Projects

Helum (E-Commerce Web Application)   *Next.js, Stripe, Sanity*

- Constructed a **responsive e-Commerce Web application** using Next.js, reducing page load times by **40%** with server-side rendering (SSR).
- Integrated **Sanity CMS**, cutting backend setup time by **50%** and improving development efficiency by **30%**.
- Revamped product listings and order management features, leading to increased conversion rates and a more seamless user experience
- Implemented **Stripe payment integration**, ensuring secure and scalable payment handling.

Certifications

- Database Programming with SQL (Oracle Academy)
- AWS Cloud Practitioner (AWS)

Education

Rajalakshmi Engineering College   *Chennai, India*
B.E. in Computer Science and Engineering   *2020 – 2024*
CGPA: 8.6/10