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LEAD/SENIOR FRONTEND ARCHITECT

PROFESSIONAL SUMMARY

- Dynamic **User Interface (UI)** developer with a proven track record in crafting **responsive** and **interactive dashboards** that enhance user engagement. Leveraged **SEO** strategies and implemented **page load optimization** techniques, resulting in a 30% increase in site performance and a 25% boost in user retention rates.
- Dynamic professional with expertise in addressing **multi-domain specific requirements** across diverse sectors, including **Finance, Banking, Insurance, Legal, Assurance, Compliance, E-commerce, Consulting, Training, Medical, Dredging, and Logistics**. Proven ability to deliver tailored solutions that enhance operational efficiency and drive business success.
- Results-driven **UI Specialist** and proficient **Full Stack Developer** with over 14 years of experience in architecting and implementing cutting-edge web solutions that enhance user engagement and drive business growth.

SKILLS

Backend Technologies:

Node JS, Express JS, Mongoose & Mongo DB, Web Sockets, API Services, Micro Services, Matrix.Org (Synapse), Supabase, Apache Solr, Rabbit MQ, AWS SQS, SNS, PHP, Composer

Collaboration and Project Management: Sharepoint UI, JIRA

Interactive Presentation: Ventuz X, Veeva

Search Engine Optimization: SEO for Google

Frontend Technologies:

ECMAScript 6 (ES6), ECMAScript 7 (ES7), JavaScript, Typescript, React JS, Redux, Next Js, Angular, Webpack, Three Js, Lerna, React Native, Handlebars JS, Less, Sass, HTML5 & CSS3, Ant Design, Kendo UI, Material UI, Bootstrap, jQuery, Vue JS, Vite, Tailwind, Tanstack, NX Monorepo

Content Management: Wordpress, Joomla, Strapi, Sitefinity

Testing and Version Control: Jest, Enzyme, GIT, SVN

Cloud Services and CI/CD:

Azure (Microsoft Cloud Platform), GCP (Google Cloud Platform), AWS (Amazon Web Services), Docker, Jenkins

Design and Multimedia:

Figma, Invision, Adobe Photoshop, Adobe After Effects, Adobe XD, Adobe InDesign, Adobe Illustrator

EXPERIENCE

Senior Lead Developer

Red Nucleus LLC

Jan 2023 – Present

- **Architected** and **developed** scalable solutions using **Progressive Web Apps (PWA)**, **HTML/CSS**, **JavaScript**, **TypeScript**, **React.js**, **Redux**, **Next.js**, **Angular**, **AWS EC2**, **SQS**, **SNS**, **Node.js**, **MongoDB**, and **Azure DevOps**, ensuring compliance with desktop and mobile standards, which enhanced user experience and improved performance by **30%**.
- **Facilitated D3.js** and **Three.js**-based data visualization for medical information and devices, enhancing the presentation of healthcare tools and delivering **state-of-the-art 3D medical animations** to improve user understanding and engagement.
- **Spearheaded** the integration of **TanStack Query** and **Supabase** into existing applications, **boosting** data fetching efficiency by **30%** and **minimizing** API call latency by **25%** through **optimized caching strategies**, leading to enhanced application performance and superior user experience.
- **Directed** technical leadership for the web development team throughout the **full software development lifecycle**, executing **hands-on design**, **development**, and **code review sessions** to enhance code quality and foster team collaboration. Utilized **Vue.js**, **Typescript**, **Vite**, **Tailwind**, **Tanstack**, **NX Monorepo**, and **Jest** for efficient project delivery. Integrated APIs using **REST**, managed state with **Pinia (Vue)**, and maintained version control through **Git** and **GitHub/GitLab**. Conducted testing with **Playwright** and **Vitest**, ensuring robust application performance.
- **Ensured** high-quality software delivery by **leveraging** industry best practices and **best-in-class tools**, while **collaborating** with design and **UX teams** to create intuitive applications that enhance user experience.
- **Architected** a scalable **Nx Monorepo** structure for the frontend team, streamlining code sharing and reducing build times by **40%**, which improved overall development productivity and collaboration.
- **Developed** innovative applications using **modern web-based technologies** such as **JavaScript** and **HTML5**, specifically tailored to meet the unique needs of the **global pharmaceutical** and **medical device** industry, enhancing operational efficiency and user experience.

Tech Lead/Sr. React Full stack Engineer

Sep 2022 – Dec 2022

Accion Labs Canada Inc

- **Architected** and **developed** a comprehensive **design system repository** using **React.js**, **Redux**, **Angular**, **Headless WordPress**, **AWS EC2**, **SQS**, **SNS**, **DynamoDB**, **Node.js**, **Express.js**, **Docker**, and **MongoDB**, ensuring compliance with desktop and mobile standards, which enhanced design consistency and improved project efficiency by **30%**.
- **Engineered iOS** and **Android** applications using **React Native** and **Expo** in both **bare** and **managed workflows**, significantly enhancing cross-platform functionality and user experience. **Leveraged Vue.js**, **Typescript**, **Vite**, **Tailwind**, **Tanstack**, **NX Monorepo**, and **Jest** to streamline project delivery. **Integrated** APIs using **REST**, **managed** state with **Pinia (Vue)**, and **ensured** version control through **Git** and **GitHub/GitLab**. **Conducted** comprehensive testing with **Playwright** and **Vitest**, guaranteeing robust application performance.
- **Enhanced** application performance by implementing **code splitting**, **tree shaking**, and efficient packaging with **Webpack** and **Lerna**, resulting in reduced load times and improved user experience.
- **Oversaw** development activities to implement **new enhancements** and assess their impact and feedback throughout the **Software Development Life Cycle (SDLC)**, driving continuous improvement and stakeholder satisfaction.
- **Developed** reusable **UI components** for micro frontends using **React** and **Ant Design Framework**, enhancing consistency and reducing development time by **30%**.
- **Led** the development of a scalable **Nx Monorepo** architecture for a multi-project application using **React.js** and **Node.js**, resulting in a **30% reduction** in build times and improved code maintainability across **5+ projects**.

Lead Frontend Developer

Apr 2022 – Oct 2022

Autodesk

- **Architected** and **developed** a comprehensive **design system repository** using **React.js, Redux, Next.js, Angular, Node.js, Express.js, Docker,** and **MongoDB**, while **integrating** with **AWS EC2, SQS, SNS,** and **DynamoDB**. **Ensured** compliance with desktop and mobile standards, enhancing design consistency and **accelerating** development workflows by **30%**.
- **Achieved 60%** performance uplift by **implementing code splitting, tree shaking,** and **optimized packaging** using **Webpack** and **Lerna**, significantly enhancing application load times and user experience. **Leveraged Vue.js, Typescript, Vite, Tailwind, Tanstack, NX Monorepo,** and **Jest** to ensure efficient project delivery. **Integrated APIs** using **REST, managed state with Pinia (Vue),** and **maintained** version control through **Git** and **GitHub/GitLab**. **Conducted** testing with **Playwright** and **Vitest**, ensuring robust application performance.
- **Oversaw** development activities to implement **new enhancements** and assess their impact and feedback throughout the **Software Development Life Cycle (SDLC)**, driving continuous improvement and stakeholder satisfaction.
- **Developed** a comprehensive **design system** utilizing **React** and **Material UI Framework**, effectively supporting **8** consumer applications within **Autodesk** and enhancing design consistency across platforms.

Lead Web Manager

Mar 2021 – Apr 2022

Standard Chartered Bank

- **Spearheaded** comprehensive **SEO** initiatives and optimized conversion funnels for **Funds** pages on **sc.com**, resulting in **320,000** monthly unique visitors and generating **\$14M** in new monthly revenue through the strategic implementation of **React.js, Redux, Next.js, Angular, AWS EC2, SQS, SNS, DynamoDB, Node.js, Express.js, Docker, PHP, Composer, MongoDB,** and **Figma**, while ensuring compliance with desktop and mobile standards.
- **Utilized Gatsby** framework to **address** product page issues on **sc.com** across **44+** markets, enhancing user experience and site performance.
- **Enhanced** product performance by **60%** for **sc.com** through implementation of **Webpack** code splitting, **tree shaking,** and optimized packaging with **Lerna**, resulting in improved load times and user experience.
- **Oversaw 14** developers across **2 teams** to **create** an interactive coding environment, collaborating with **40+** stakeholders to gather requirements and feedback while adhering to the **Software Development Life Cycle (SDLC)** process.
- **Developed** interactive dashboards utilizing **React, Vue.js,** and **Ant Design Framework** to visualize complex financial and analytics data for the **Investment Funds Library**, successfully launching the product in **44+** markets and enhancing business presentation capabilities.
- **Led a 30-member** UI Chapter within the bank's **Web Team**, driving innovative design solutions and enhancing collaboration across development projects.
- **Spearheaded** the development of a high-traffic **React.js** application using **Next.js** and **Redux**, achieving a **30%** increase in page load speed and enhancing user retention by **25%** through optimized performance and user experience.
- **Architected** a scalable microservices architecture on **AWS EC2** utilizing **Node.js** and **Express.js**, resulting in a **40%** reduction in server response time and supporting a **50%** increase in concurrent users without performance degradation.
- **Led** a cross-functional team of **8 developers** in migrating legacy systems to a modern stack including **Docker, MongoDB,** and **PHP**, successfully decreasing deployment time by **60%** and improving system reliability by **35%**.

Lead Engineer - Frontend

Jan 2019 - Feb 2021

Indegene Private Limited

- **Engineered WebSocket**-based communication system, enhancing speed and performance by **80%** compared to products developed by **Indegene** for **Pfizer** and **Amgen**.

- **Developed** a **Multilingual Translator** tool to manage **10+** locales for diverse **multilingual products** and applications at **Indegene**, enhancing global accessibility and user experience.
- **Coordinated** and **oversaw** deliverables for **20+** short-term sprints and **15+** long-term deployments using **Agile methodologies** for **Pfizer** and **Amgen** clients, ensuring timely project completion and alignment with client objectives.
- **Engineered** and **implemented 20+** full-stack applications utilizing **React.js**, **Node.js**, **Express.js**, **Angular** and **MongoDB**, while employing **Figma** for UI/UX design, resulting in improved application performance and enhanced user experience.
- **Achieved** the "Hitting the Mark" award for **enhancing** web application performance for **Pfizer** by **92%** within a **compressed delivery timeline**, demonstrating commitment to excellence and client satisfaction.
- **Achieved** consistent stability in **unit test cases** for **12+** applications utilizing **React.js**, **Next.js**, **AWS EC2**, **SQS**, **SNS**, **DynamoDB**, **JEST**, **Enzyme**, and **RTL**, enhancing code reliability and reducing bug rates.

Technical Lead

Jun 2016 - Jan 2019

Ernst and Young

- **Facilitated** open communication among executive stakeholders, engineering teams, and client marketing, **accelerating** the feature development life-cycle by **22%** year over year.
- **Developed** a comprehensive **UI Framework** for **EY** utilizing the **EY styling guide** and **color palette** with **React.js**, **Next.js**, **AWS EC2**, **SQS**, **SNS**, **DynamoDB**, **HTML**, **CSS**, and **JavaScript**, enabling project initiation in under **10 minutes** while establishing a robust foundational architecture.
- **Awarded** the **Exceptional Client Service Award** for outstanding performance and dedication in delivering exceptional service to a **Confidential Ernst and Young** client, enhancing client satisfaction and loyalty.
- **Developed** and **maintained** comprehensive project documentation for **15** active projects, utilizing **issue trackers**, **delivery trackers**, and **resource utilization** tools to enhance project transparency and team collaboration.
- **Led** a **12-member** team in mastering **UI** and **UX Design** principles and practices, enhancing design consistency and user satisfaction across projects.
- **Enhanced** code maintainability by **removing** deprecated styles and **modularizing** styles into **shared components**, resulting in a **50%** reduction in future development time.
- **Developed 5** interactive **4K** video projects utilizing **Ventuz Technology** for **Ernst and Young, GmbH**, enhancing client presentations and engagement.

Senior Software Engineer

Sep 2015 - Sep 2016

Brady Corporation

- **Engineered** web-based version of **Brady's platform** using **JavaScript**, **Angular**, and **Sass**, enhancing SEO visibility by **25%**.
- **Developed 5** administrative tools using **ReactJS** and **Redux** to streamline day-to-day operations at **Brady India**, enhancing operational efficiency.
- **Optimized** page load speeds by **80%** through the implementation of **lazy loading** for images in posts, enhancing overall user experience and engagement.
- **Architected** a **RESTful API** using **Node.js** and **Express** with **MongoDB** to persist user contacts, enabling push notifications for new app signups, resulting in a **60%** increase in user re-engagement.
- **Led** a team in **revamping** the legacy **UI** using **Magento 2**, enhancing user experience and modernizing the platform's interface.
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Refactored AWS EC2, Node.js, and Express job server to optimize push notifications, caching, and automated emails, reducing codebase size by **82%**, enhancing email delivery efficiency, code maintainability, and overall site reliability.

Software Engineer

Softway Solutions Private Limited

May 2014 - Jul 2015

Web Programmer

C Soft Technologies Private Limited

Jan 2013 - May 2014

Web Developer

Pometek System Solutions Pvt. Ltd.

Nov 2012 - Dec 2012

Web Designer

Dredging Consultancy Services Pvt. Ltd.

Apr 2012 - Oct 2012

Software Developer

Swortech IT Solutions Private Limited

May 2011 - Apr 2012

EDUCATION

Andhra University

Master of Business Administration Human Resources Management and Services

Apr 2013 - Apr 2015

Jawaharlal Nehru Technological University

Bachelor of Technology Electronics and Communications Engineering

Aug 2007 - Apr 2012