

Pratap Jena

Bangalore, India | pratapk.jena@gmail.com | +91 9962234883 | [LinkedIn](#)

SUMMARY

Frontend Engineering Leader with 15 years of experience, including **11 years in frontend** and **5 years in backend**. Expertise in **building scalable, high-performance web applications** using **React.js, Redux, Angular, Node.js, and MongoDB**. Proven success in **frontend system design, micro-frontend architecture, and performance optimization**. Adept at **mentoring developers, leading cross-functional teams**, and delivering enterprise solutions in **Agile environments**. Passionate about **AI-powered UI development**, leveraging **LLMs and AI-driven performance optimization** to enhance user experience.

SKILLS

Frontend Technologies:

- JavaScript (ES6+), TypeScript, React.js, Redux, Next.js, Angular
- React Query, GraphQL, Webpack, Babel, Tailwind CSS
- Micro-frontend Architecture, Server-Side Rendering (SSR)

Performance Optimization:

- Code Splitting, Lazy Loading, Image Compression, Google Lighthouse, Web Vitals
- Chrome DevTools, Asset Optimization, Progressive Web Apps (PWAs)

UI/UX & Accessibility:

- Design Systems (Material UI, Clarity Design Pattern, Bootstrap)
- WCAG Compliance, Responsive & Mobile-first Design

Backend & Cloud Technologies:

- Node.js, Express.js, C#, SQL Server, MongoDB, REST APIs
- AWS, Docker, CI/CD Pipelines, Git, GitHub Actions, DevOps, GitHub Copilot

Testing & Automation:

- Unit & Integration Testing (Jest, Mocha), End-to-End Testing (Cypress)

Experience

Software Engineering Specialist (Frontend Lead),

Hitachi Vantara - Bangalore, India

March 2021 – Present

Project: VSTaaS & Data Plane Node

Technologies: React with typescript, JavaScript, Redux, ES6, HTML 5, React Flow, AppShell, UI Kit, Node, Express and monogoDB

Key Responsibilities & Achievements:

- Led a team of 8 frontend developers to deliver scalable web applications using **React.js, Redux, TypeScript, NodeJs and Express** focusing on performance and user experience.
- Spearheaded **frontend performance optimizations**, resulting in a **20% reduction in load times** through code splitting, lazy loading, and image compression.
- Collaborated with **cross-functional teams** (design, backend, QA) to deliver seamless user experiences.
- Guided **junior developers** in adopting best practices for code quality, UI design, and frontend architecture.
- Ensured **accessibility standards** (WCAG) compliance, increasing accessibility scores by **20%**.
- Led the successful **migration of legacy code** to modern JavaScript frameworks, improving maintainability and scalability.
- Redesigned the **company's flagship product**, resulting in a **45% increase in user engagement**.

Principal Engineer (UI Lead)

Harman connected service - Bangalore, India

March 2018 – January 2021

Project: Pulse IOT

Technologies: Typescript, React HTML 5, CSS, ES6, Clarity Design Pattern, Bootstrap, Java, and Mongo DB

Key Responsibilities & Achievements:

- Designed and implemented **responsive web interfaces** that improved user experience across mobile and desktop platforms.
- Led the creation of a **new user onboarding flow**, reducing **customer churn by 15%** and improving **customer satisfaction by 20%**.
- Developed a **robust design system**, standardizing 200+ UI components and improving **cross-team collaboration**, reducing design/development time by **35%**.
- Mentored junior developers, ensuring adherence to **frontend development best practices**.

Senior Software Engineering (Frontend)

HCL - Bangalore, India

August 2015 – Feb 2018

Key Responsibilities & Achievements:

- Led the design and implementation of responsive web applications using **Angular, Redux**, and **JavaScript (ES6+)**, ensuring a seamless user experience across devices.

Software Associate (Silverlight Developer)

Cognizant - Chennai, India

September 2011 – July 2015

Key Responsibilities & Achievements:

- Designed and developed rich, interactive web applications using **Silverlight** and **XAML**, focusing on high-quality UI and responsive design.

Software Developer (Backend Developer)

iSOFT R & D Pvt Ltd - Chennai, India

Nov 2008 – July 2011

Key Responsibilities

Designed and implemented scalable **RESTful APIs** using **C#** and **SQL Server** for efficient data retrieval and processing.

Education & Certificates

Education:

- Master of Computer Applications (MCA), Utkal University – 2007
- Bachelor of Science (B.Sc.) in Physics, Utkal University – 2003

Certifications:

- Full Stack Software Development — Scalar Academy (Present)
- Generative AI & Its Applications — Eduxlabs, 2024
- React and Redux Mastery — Udemy, 2023
- Cloud Computing (DevOps, AWS) — Intellipaat, 2023
- Advanced UI/UX Design — Coursera, 2022

Awards & Recognition

- **Platinum Award** for outstanding contributions to the frontend team's success, **Hitachi Vantara**, 2023
- **Night on the Town and Hot Skills Award**, **Hitachi Vantara**, 2023
- **Platinum Award** for outstanding contributions to the frontend team's success, **Hitachi Vantara**, 2022
- **Leadership Excellence Award**, **Harman**, 2020

AI and Innovation

- Exploring AI-powered UI development using LLMs, OpenAI APIs, and LangChain to optimize frontend performance.
- Researching AI-driven performance improvements for large-scale frontend applications.
- Exploring AI tools like GitHub Copilot for speedy development and increase performance

Additional Information

- Passionate about **user-centered design** principles and creating interactive web designs in my free time.
- Continuously learning new technologies such as **React Query**, **GraphQL**, and **Rust** programming language.