

BARUN PRASAD

UI Architect & Strategist

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SUMMARY

UI Engineering Leader with **17+ years** in **architecting scalable, mobile-first web applications and cross-platform mobile apps**. Proficient in **React** ecosystem, **frontend design systems**, and backend integration, with extensive expertise in **accessibility, modular CSS**, and **performance optimization**. Proven record of leading teams and delivering high-impact projects in **Agile** environments

CORE COMPETENCIES

- **Frontend Tech:** React.js, React Native, Redux, Next.js, Angular, HTML5, CSS3, JavaScript, TypeScript
- **Design Systems:** Architecting and developing reusable components with extensive focus on accessibility and modularity (e.g., [Arctic Design System](#))
- **CSS:** Modular CSS (BEM, SMACSS, OOCSS, Atomic Design), **SASS, LESS**
- **Collaboration & Leadership:** Extensive experience in working with **product managers, UX designers**, and **UI engineers** to create globally impactful solutions
- **Accessibility:** WCAG 2.1/2.2 AA, ARIA standards
- **Build & Deployment:** Git, GitHub, Docker, CI/CD, Netlify, Gulp, Rollup, Webpack and Vite
- **Testing:** Jest, Vitest, Enzyme, Axe, Chromatic, Applitools and Codecov

EXPERIENCE

UI Architect | Moxe Health | Bengaluru | Sep 2023 – Present

- **Design System Development:** Led creation of Particle Design System, reducing feature development time by 40% and enhancing consistency.
- **Key Projects:**
 - **Point of Care Insights:** Integrated clinical data into EHR workflows, leveraging React, Vite, and FHIR standards for optimized user experience.
 - **Virtual EHR App:** Developed a testing platform for EHR integrations, enhancing efficiency by standardizing UI components.

Staff Engineer | Walmart Global Tech | Bengaluru | Sep 2021 – Sep 2023

- **COWM:** Led team for mobile checkout app, reducing transaction failure rates from 30% to <2%.

- **DMF:** Created cross-platform framework for device connectivity, supporting reuse and modularity.
 - **Electronic Journal:** Overhauled TLOG viewer for modernized UX and seamless user experience.
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Principal Engineer | HealthEdge Technologies India | Bengaluru | Jun 2019 – August 2021

- **Configuration Integrity and Promotion:** Developed frontend architecture for Business Analyst configurations on web and mobile.
 - **HealthRules Admin UI:** Transformed legacy desktop app into a modern web solution.
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Senior Engineer | HealthEdge | Burlington, MA, USA | Oct 2015 – May 2019

- **PHM:** Led frontend development for member-centric analytics and management tools.
 - **HealthRules Care Manager:** Upgraded legacy UI to React.js, improving performance and accessibility.
 - **Digital Member Portal:** Created mobile-first web portal for health plans for member engagement.
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Sr. Solution Engineer | Deloitte Consulting LLC | Camp Hill, PA | Dec 2014 – Oct 2015

- **HCSIS:** Improved PA's human services platform for community-based programs with streamlined UI enhancements
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Project Lead | L&T Infotech | Various USA Locations and Mumbai | Jul 2007 – Dec 2014

- **Specialty Market Workflow** (Client: **MunichRe America**): Developed a workflow management tool for specialty market policies, overseeing task allocation, and reporting.
- **Quote Prefill** (Client: **Travelers Insurance**): Built an auto-routing application for insurance quoting, leading design discussions and prototypes.
- **eDelivery Preference Service** (Client: **Travelers Insurance**): Developed a policy preference management web service, integrating email notifications and metrics.
- **EConsent** (Client: **Travelers Insurance**): Supported paperless delivery preferences with secure validation and user preference updates.
- **Foundational Self Service** (Client: **Travelers Insurance**): Created a self-service portal for policyholders to manage profiles and request AutoID cards.
- **Policy Decisions/NGA** (Client: **Insurity**): Customized an insurance solution with policy lifecycle management and regulatory compliance.
- **Autofac** (Client: **MunichRe America**): Migrated legacy ASP/VB solution to .NET, streamlining property and casualty reinsurance processes.

EDUCATION

B.Tech in Computer Science | Bengal College of Engineering & Technology | 2003 - 2007 | GPA: 8.54