# ASHITH RAHUL

# Senior Frontend Engineer | Senior UI Engineer

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**PROFILE SUMMARY**

* Results-oriented **Senior UI Engineer** with 10+ years of experience designing and delivering scalable, user-centric web applications for complex data analytics and AI platforms.
* Technically proficient in a modern frontend stack including **React.js, JavaScript, D3.js, HTML5, and CSS3**, with expertise in state management (Redux) and testing frameworks (Jest, Enzyme).
* Proven expert in agile development, adept at leading the end-to-end creation of complex features like **interactive data visualization dashboards using D3.js**.
* Successfully architected and executed the migration of GraphQL functions to a shared **AWS Lambda** architecture, a key initiative that **significantly reduced maintenance overhead and deployment time.**
* Problem-solver recognized for maintaining the highest standards of code quality and bridging the gap between design, frontend, and backend teams to deliver a seamless user experience.

**KEY SKILLS**

Software Development Lifecycle (SDLC) | Agile Methodologies | REST API & GraphQL Integration | System Design & Scalability |

Code Optimization | Object-Oriented Programming (OOP) | Modular & Reusable Code |Quality Assurance | Unit Testing | Debugging & Troubleshooting | Team Management

**TECHNICAL SKILLS**

**Programming Languages:** JavaScript, HTML, CSS, Python, PHP

**Frameworks and Libraries:** React.js, Node.js, D3.js, Redux, Redux-Saga, PostGraphile

**Testing Tools:** Jest, Enzyme

**Databases:** MySQL

**Cloud and DevOps:** AWS Lambda, CI/CD, Git, Version Control

**WORK EXPERIENCE**

**Sep 2020 – Present: Cisco, Bengaluru Sr. Software Engineer**

**Key Result Areas:**

* Leading the end-to-end frontend development for Cisco's AI Network Analytics platform, architecting and building intuitive user interfaces that translate complex, AI-driven network insights into actionable visualizations.
* Driving the continuous improvement of the platform's user experience by collaborating closely with UX/UI design teams to enhance usability, accessibility, and overall product satisfaction.
* Engineering and maintaining a comprehensive suite of unit tests using Jest and Enzyme, consistently enhancing code coverage and championing a culture of quality.
* Serving as a key frontend partner to the backend engineering teams, managing the seamless integration of REST APIs and GraphQL functions to ensure robust and efficient data communication.

**Highlights:**

* Successfully architected and executed the migration of core GraphQL functions from a dedicated EKS cluster to a shared AWS Lambda architecture, a strategic initiative that significantly reduced maintenance overhead and deployment time.
* **Slashed deployment times from 6 hours to minutes** by re-architecting the GraphQL layer from a 5000-pod EKS cluster to a consolidated, serverless **AWS Lambda** model, significantly reducing operational overhead.
* Led the complete development of a mission-critical, interactive data visualization dashboard using React.js and D3.js, empowering users with real-time data filtering and insight generation capabilities.
* Increased frontend code coverage by implementing a rigorous, TDD-inspired testing strategy, which directly led to a measurable reduction in production bugs.
* Recognized for exceptional cross-functional collaboration, successfully bridging the gap between design, frontend, and backend teams to deliver a unified and seamless final product.
* Streamlined the entire testing pipeline by spearheading the migration of developer-side functional tests from Cypress to Jest, eliminating redundancy and significantly improving CI/CD efficiency.

**Oct 2017 – Sep 20: Razorthink Technologies, Bengaluru Software Developer**

* Played a pivotal role in the development of the Razorthink AI platform, a visual tool for building end-to-end data transformation and machine learning pipelines, by translating complex product requirements into functional, user-facing features.
* Architected and developed a comprehensive library of reusable, modular components in React.js, a key initiative that significantly improved code maintainability and accelerated future development timelines.
* Engineered a highly scalable and performant front-end by implementing Redux-Saga to expertly manage complex, asynchronous data flows between the UI and backend services.
* Acted as a key technical partner to product owners, actively collaborating to refine and define functional requirements and ensure the final product was perfectly aligned with user needs and business goals.

**May 2015 – Sep 2017: Brahmaa Infotek, Kochi Programmer**

* Engineered and maintained core backend features for a suite of web applications, serving as a key member of the PHP development team and contributing to the platform's stability and scalability.
* Automated critical, time-consuming backend processes by developing a series of Python-based cron jobs, a key initiative that significantly improved operational efficiency and reduced the need for manual intervention.
* Architected and deployed a set of robust, RESTful web services that served as the primary data exchange layer for the company's mobile applications, ensuring secure and reliable communication.

**EDUCATION DETAILS**

**B.Tech. (Computer Science) | IES College of Engineering | 2015**