

# SAHIL HUSSAIN

## SOFTWARE DEVELOPER

### CONTACT

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### SUMMARY

Experienced senior full-stack software engineer with a four-year track record in crafting responsive, performant, and accessible user interfaces. Proven ability to lead collaborative and inclusive teams, prioritizing pair programming and code review. Enthusiastic about collaborating with cross-functional teams throughout the SDLC. Recognized as a web accessibility expert and user advocate. Strong communicator with a focus on automated testing, thorough documentation, and maintainable code. Eager to bring technical expertise and passion for user-centric development to a dynamic role.

### KEY ACCOMPLISHMENTS

- Spearheaded the architecture and development of a groundbreaking front-end project, pivotal in a high-profile half-billion-dollar acquisition.
- Significantly mitigated production bugs by 60% through the implementation of a robust error tracking system featuring alerting and session replay videos.
- Led a cross-functional initiative to select a design system, meticulously documenting its impact and involving individuals at all levels, from individual contributors to executives.
- Elevated brand sentiment and expanded customer market share by 15% through the establishment of a culture centered around accessibility.
- Achieved a doubling of retention and conversion rates for a full-time program, earning a perfect 100% approval rating.
- Accelerated developer and contractor velocity by 3x through the creation of a design system and the implementation of a scalable utility style CSS architecture.

### WORK EXPERIENCE

#### Full Stack Developer

KhushiBaby Inc., Jaipur

2021-Present

- Developed an advanced data visualization platform that transformed decision-making for government health officials
- Enabling Users to monitor real-time health data reports across multiple indicators
- Leveraged agile analytics, interactive charts, and GIS maps to provide intuitive visualizations and empower over 3000+ officials with enhanced decision-making capabilities
- Collaborated closely with stakeholders to gather requirements, design effective solutions, and ensure successful implementation
- Led the integration of Twilio and made chatbot for seamless communication through gRPC, significantly improving scheduling and management of automated voice calls via WebRTC
- Coordinated with cross-functional teams to ensure successful integration, conducting thorough testing and troubleshooting to maintain system reliability.
- Integrated authentication, CI/CD, test suites, error monitoring, feature flags, user analytics, internationalization
- Strengthened team dynamics by interviewing front end candidates and improving assessments
- Planned and delivered entire features; user stories, wireframing, databases, models, APIs, components, and tests
- Guided best practices around inclusive design and accessible, semantic UI
- Mentored junior developers and helped new hires onboard and succeed
- Implemented inline end-to-end @tagging feature to increase app share-ability
- Streamlined CLI and deployment, saving 10 hours per week and increasing releases
- Improved accuracy, increased coverage, and optimized speed of automated test suite

#### Freelance Web Developer

2019-2020

##### Web Application Development with Ruby on Rails

- RESTful or GraphQL API Design that is compliant to Google's JSON:API standards.
- Database architecture with well-defined validations and indexes using ActiveRecord and PostgreSQL.
- Advanced PostgreSQL operations: Procedural Programming, Views, Triggers, Query Analysis, Optimization.
- Data scraping with Regular Expressions & XPath using Nokogiri.
- Uploading & serving files from Amazon S3 buckets using ActiveStorage.
- Reviewed 3+ Pull Requests Per Week for a team of 4 Ruby on Rails developers.
- Followed Test-Driven Development methodology using RSpec, using Capybara for integration tests.
- Restricted User & Group access to features Devise & Warden.
- Created reusable UI components using Bootstrap CSS.
- Shared senior developer duties of Interviewing & On-boarding new developers.
- Deployed applications on DigitalOcean through Ansible.
- Configured Amazon Web Services to for hosting images and assets.
- Handled user support requests and application errors from Sentry within 24-hours.
- Worked in 2-week SCRUM sprints along with Agile Design workflow that was setup through GitHub Projects.

# TECHNICAL SKILLS

- Programming Skills:
  - Ruby, JavaScript (Next.js, React.js), HTML, JSX, HAML, ERB
- Frameworks & Libraries:
  - Ruby on Rails, Turbo, Stimulus / Reflex, jQuery, Redux, Webpack, D3.js, Highcharts, Mapbox, Storybook, Material-UI, Tailwind CSS
- Testing & Quality:
  - RSpec, RuboCop
- Infrastructure & Deployment:
  - AWS, Kubernetes, GitOps, Docker, Git, CircleCI, Heroku, Vercel, Netlify
- Data & Storage:
  - PostgreSQL, MongoDB, MySQL, Elasticsearch, Algolia, GraphQL

# AWARDS & CERTIFICATES

- “SIH-2017” under Department of Atomic Energy.
- “SIH-2018” under Ministry of Skill Development & Entrepreneurship.
- “Learnathon” conducted by ICT Academy and Trailhead.
- EMC Academic Associate, Data Science and Big Data Analytics
- ICSI | CNSS Certified Network Security Specialist

# EDUCATION

B.E Computer Science and Engineering -  
Mahendra Engineering College Affiliated to  
Anna University  
August 2015 - April 2019  
Grade - First Class

## UI/UX Development with React.JS

- Creating Single-Page Applications with React Router that deliver a modern user experience.
- Styling pages with Bootstrap CSS, a popular design framework with a clean feel.
- Converting design files from Figma, Sketch, or PhotoShop into a functional webpage.
- Configuring apps to easily drop-in new CSS and JavaScript files with Webpack, Babel, and SASS.

## Deployment, Version Control, and DevOps

- Deploying to Heroku for production, developers, and testing stages.
- Configuring Docker containers, images, and swarms using docker-compose and Dockerfile.
- Branching, releasing, and versioning software through GitHub.
- Managing assets with Amazon S3 buckets.
- Automating CI/CD services: Sentry, CircleCI, GitHub Actions, Docker Hub, Heroku, CodeCov.

## Workflows & Methodologies

- Using GitHub Projects to implement Agile Design and SCRUM practices.
- Test-Driven Development with unit and integration tests using RSpec & Capybara.
- Conducting code reviews, doing live feature demonstrations, interviewing and on-boarding new developers.
- Full-stack development in RubyMine by JetBrains, including deployment, version control, and database operations.
- Follower of the business & software development practices promoted by Jason Fried, David Heinemeier Hansson, and Basecamp.com.

## Notable Projects

### HARTMANN GROUPS

- Implemented robust features to track, manage, and optimize inventory levels, resulting in a streamlined supply chain and improved efficiency.
- Collaborated closely with the client to understand specific business requirements and translated them into functional and technical specifications.
- Designed and implemented a user-friendly interface, ensuring a seamless user experience for inventory management tasks.
- Integrated third-party APIs to enhance system functionality, such as real-time order tracking and vendor communication.

### airPMO

- Utilized Agile methodologies to manage project timelines, deliverables, and adapt to evolving client needs.
- Conducted thorough testing, debugging, and performance optimization to ensure the reliability and scalability of the inventory management system.
- Provided ongoing support and maintenance, addressing any issues and incorporating additional features as needed.

## Open Source

### TW-Elements

- TW Elements is a huge collection of free, interactive components for Tailwind CSS.

### 24pullrequests.com

- Instrumental contributor to 24pullrequests.com, a web application dedicated to encouraging developers to contribute code-related gifts throughout December. Played a core role in the development and maintenance of the platform, fostering a collaborative environment for giving back to the open-source community.