Kashif Wahaj

Senior Software Engineer
Github: @kashifwahaj

Email: kashifwahaj@gmail.com
Mobile: +91-9389534027
Linkedin: @kashifwahaj

SUMMARY

Senior Full Stack Engineer with 6+ years of experience designing and scaling distributed web platforms, multi-tenant architectures, and performance-critical systems. Strong background in microservices architecture, event-driven systems, cloud-native deployments, and AI-integrated platforms. Proven track record of owning architecture decisions, improving system reliability under peak load, and leading engineering initiatives from design to production.

EXPERIENCE

Etech Globals   Gandhinagar (Remote)
Senior Software Engineer (Full-time)   *Sept 2022 - Present*

- Architected a **multi-tenant CMS platform** supporting region-based content isolation using database-level tenant segregation and middleware-driven tenant resolution, currently supporting **15+ tenants**
- Designed a modular section-based rendering engine enabling schema-driven dynamic content blocks with tenant-scoped custom CSS sandboxing and automated static deployment pipeline (S3 + CDN) for high-performance global delivery.
- Designed role-based and attribute-based access control (**RBAC + ABAC**) with MFA and SSO integration to enforce secure multi-organization access
- Designed a **cloud-native quality evaluation platform** analyzing large-scale agent-customer interactions using speech-to-text pipelines and LLM-based sentiment/compliance scoring
- Implemented async **event-driven architecture** using Kafka with stateless service design and Redis coordination, ensuring horizontal scalability and **processing 8000+ interactions daily**
- Optimized performance under peak concurrency, **reducing processing latency by 40%** through **gRPC-based inter-service communication**
- Built reusable front-end design system using Radix and Tailwind aligned with WCAG 2.2 AA standards and conducted internal architecture training sessions, mentoring engineers on distributed systems and full-stack best practices.
- Led the backend APIs architecture with AdonisJS/Express, with production-grade logging, monitoring, and failure recovery mechanisms.

Tata Consultancy Services   Noida
Software Developer (Full-time)   *July 2019 - Sep 2022*

- Led front-end architecture modernization from legacy jQuery system to React + Redux based architecture.
- Implemented lazy loading, virtualized list and code splitting **reducing bundle size by 32%** and improving Lighthouse performance **score from 65 to 90+**
- Designed multi-environment CICD pipeline using GitHub Actions and AWS EC2 for controlled release management.
- Improved API performance and bulk authentication workflows **reducing response latency by 60%.**
- Contributed to cross-functional architecture discussions for scalable SPA deployments.

SKILLS

- **Backend & Distributed Systems**:   Node.js, Express, AdonisJS, Laravel, Spring, Java, gRPC, Kafka, RabbitMQ, Redis, REST APIs
- **Frontend**:   React, Redux, Tailwind CSS, Virtualized rendering, Cypress, Jest
- **Tools**:   EC2, Redis, WebRTC, WebSockets, MySQL, SQLite, Cassandra, MongoDB, Docker
- **Platforms**:   Web, Linux, Nginx, AWS(RDS, S3, EC2, Elastic), Azure, GCP
- **Soft Skills**:   Leadership, Writing, Teaching and Training

PROJECTS

- **Workflow Orchestration Engine**: Built event-driven workflow engine with pluggable execution nodes. Designed retry policies, idempotent job execution, and background processing using message queues.

- **Calendar & Habit Tracking Productivity System**:   Designed modular habit tracking system with recurring logic, goal tracking and analytical insights. Implemented Local-first architecture with offline sync capability

- **Distributed Chat System (Peer Coordination)**:   Built end-to-end encrypted WebRTC-based distributed communication platform with peer coordination logic, approval-based access control, and real-time signaling using WebSockets. Designed architecture to handle connection state management and fault tolerance

EDUCATION

University Institute of Engineering and Technology   CSJM University, Kanpur
Bachelor of Technology - Information Technology; GPA: 8.5   *2015 - 2019*