

AKASH SINGH

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[LinkedIn](#) | [Github](#) | [Portfolio](#) | [Masai Certificate](#)

Professional Summary

Full Stack Developer with 2.5+ years of experience building scalable enterprise web applications. Strong expertise in Angular, React, NextJS modern frontend architecture including micro-frontend systems, AI agents. Contributed to 10+ enterprise applications, taking full ownership of development and delivery .Managed and maintained 4+ applications across multiple environments (Development, Demo, Production), ensuring smooth deployments, stability, and environment-specific configurations.

Professional Experience

Software Developer – VWAVES Technologies Pvt. Ltd., Indore (July 2023 – Present)

- Developed AI agents workflow that automate repetitive work, including intelligent resume parsing and Telegram-based automation enabling end-to-end task orchestration and communication through LLM-driven reasoning and API integration
- Built interactive workflow processors using Angular and D3.js, enabling users to configure complex automation flows, along with a dedicated documentation UI that displays detailed information for each processor.
- Designed and developed interactive, visually-rich processors , embedding complete processor details and configurable forms that allow to build and customize complex workflow flows seamlessly.
- Provided mentorship to two junior developers, assisting them with code understanding, debugging, and problem-solving.
- Designed and implemented a policy management interface using Rego (OPA) at both API Gateway and service levels, enabling flexible and centralized policy enforcement across applications.
- Developed API Gateway management interface using Angular, delivering API key lifecycle management, OAuth scope configuration, security policies, and rate limiting controls within 1-week sprint.
- Implemented policy configuration features for application subscribers (request count/bandwidth limits, burst controls, time-unit mapping), aligning payloads with backend service contracts.
- Implemented real-time backend endpoint validation using RxJS (debounceTime, switchMap, catchError) to reduce unnecessary API calls and improve form reliability.
- Improved overall application performance and reduced lag , by optimizing Angular components, minimizing unnecessary re-renders, and implementing efficient change detection strategies.
- OAuth configuration for multiple processor and configuration for OAuth credentials for multiple processor (e.g., GmailSendMail,Groq etc).
- Built AI-powered interactive workflow processors , enabling users to configure complex automation flows with real-time feedback and intelligent form generation.
- Resolved 300–900+ SonarQube issues in one application and across 8+ enterprise applications, fixing functional logic bugs, reducing cognitive complexity, and enhancing overall code quality and maintainability.

Technical Skills

- **Frontend:** Angular, TypeScript, React.js, HTML5, CSS3, JavaScript (ES6+), D3.js.
- **Backend:** Express.js, Node.js.
- **Database:** MongoDB, MySQL.
- **Library:** Tailwind CSS, Redux, RxJS, NgRx, Context API, Socket.IO .
- **Tools:** Docker, GitHub ,SonarQube,Webpack, Babel,NPM, GitHub, Micro Frontend.
- **Soft skills:** Team Collaboration, Clear and Concise Communication, Ownership and Accountability.

Project

Blood Bank Management System | MERN Stack Project

- Developed a full-stack MERN application (React, Node.js, Express, MongoDB) to digitize blood bank operations and streamline donor-hospital coordination
- Implemented JWT-based authentication with role-based access control for Admin, Donor, Hospital, and Blood Lab users with separate dashboards
- Built 20+ RESTful API endpoints for donor management, blood inventory tracking, request processing, and facility administration
- Created responsive React UI with Tailwind CSS featuring 15+ pages including real-time inventory dashboards, donor registration, and request management

Education

Masai School ,Bangalore

July 2022 - May 2023

- React js ,MongoDB , Next.js ,ChakraUI , Tailwind CSS , Node.js
- DSA, Typescript , GitHub , Redux , Teamwork.

Dr.Rammanohar Lohia University,Ayodhya,Uttar Pradesh

Aug 2017 - Dec 2021

B.tech (Information & Technology)