Idris Bohra

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EDUCATION

Bachelor of Technology in Computer Science   **CGPA - 8.6**
Indore Institute of Sceince and Technology, Indore   2019 - 2023

Higher Secondary School   **Percentage - 72**
Saint Ann's Higher Secondary School, Indore   2018 - 2019

Secondary School   **Percentage - 83**
Omega Central Secondary School, Amet   2016 - 2017

EXPERIENCE

Walkover Web Solutions
Software Developer

Techdoc Project | Jan 2024 - Present | Indore

Led a team of five members in the development of Techdoc, an advanced documentation platform designed to enable businesses and users to build, test, and publish API documentation or other technical documents.

- **Architected Scalable Database and Optimized REST APIs:** Contributed to database architecture and REST API development, achieving 80% optimized backend performance through efficient data modeling and endpoint refactoring.
- **Migrated Codebase from React to Next.js:** Optimized 70% of the front-end code, transitioning to Next.js to leverage server-side rendering (SSR) for SEO improvements, enhancing site load times and search performance.
- **AI-Driven Document Interaction:** Developed a chatbot using Pinecone vector search, OpenAI, and Langchain, enabling users to query documentation, enhancing user engagement and self-service.
- **Real-Time Collaboration Feature:** Enabled multi-user collaboration on document editing through TipTap's Hocus Pocus extensions, allowing simultaneous input with conflict-free text synchronization and support for rich media uploads to GCP storage.
- **Enhanced User Interface for Documentation and API Testing:** Streamlined UI/UX for a seamless experience, allowing users to intuitively create, edit, and test APIs within Techdoc.
- **Implemented OAuth 2.0 Authorization:** Developed OAuth 2.0 support for multiple grant types (Authorization Code, PKCE, Implicit, Client Credentials), allowing secure access token generation across integrated applications.
- **Developed Env-Autosuggest NPM Module:** Created an NPM module for autosuggesting environment variables, enabling users to effortlessly incorporate variables in API requests.
- **Automated "Run in Collection" Feature with AI Support:** Developed a feature for executing all APIs in a collection in one go, with options for webhook triggers, scheduled cron jobs, or AI-assisted manual runs. The AI arranges APIs sequentially and alerts users with error notifications if any API fails, ensuring efficient and reliable automation.
- **Implemented Single Sign-On (SSO) for User Access:** Developed SSO capabilities, allowing client organizations to integrate Techdoc into their ecosystem, facilitating user access through unified credentials.

Viasocket Project | July 2023 - Jan 2024 | Indore

Contributed to the continued enhancement of Viasocket, an automation tool that empowers users to build complex workflows and automate business logic with minimal coding.

- **Optimized Codebase and Improved Development Speed:** Optimized existing code, boosting process efficiency by 50% and implementing organized, scalable structures for accelerated development cycles.
- **Integrated 500+ SaaS Applications via Developer Hub:** Enabled integration with over 500 SaaS applications, providing configurable triggers and events within workflows, empowering users to automate complex workflows seamlessly.
- **Developed Embeddable Platform Feature:** Implemented an embeddable version of Viasocket, allowing clients to integrate the platform into their own websites for enhanced accessibility and user engagement.
- **Implemented SSO Functionality for Custom Client Integration:** Added Single Sign-On (SSO) support, allowing users to access Viasocket as an integrated tool within their organization's environment with seamless login options.
- **Enhanced Workflow UI for User Experience:** Redesigned UI elements to improve interactivity and user experience, facilitating ease of use in building and managing complex workflows.

Walkover Web Solutions

Software Developer Intern

Viasocket Project | Jan 2023 - June 2023 | Indore

Led full product development from concept to launch, spearheaded the end-to-end development of Viasocket, an advanced automation tool enabling users to create and manage dynamic workflows based on custom events and triggers, equivalent in functionality to leading automation platforms.

- **Designed and Implemented Comprehensive Event-Driven Workflow System:** Developed a robust, scalable architecture allowing users to configure complex workflows that initiate actions across multiple applications upon specific triggers, such as API calls, time-based schedules, and external app events.
- **Developed Advanced Functionality for Custom Actions:** Enabled users to execute custom JavaScript functions, define variables, and make API calls within workflow steps, empowering them to create custom actions and manipulate data before routing to other applications, providing enhanced flexibility and control over automations.
- **Implemented a Dynamic User Interface for Workflow Building:** Crafted an intuitive drag-and-drop interface for building workflows, and a modular design that simplifies the creation and customization of multi-step workflow.
- **Autocomplete NPM Module:** Created a robust auto-complete npm module for Viasocket to dynamically suggest variables from webhook payloads or previous workflow steps, enabling users to seamlessly utilize response data in input fields across workflows.
- **Architected Database and Developed RESTful APIs:** Designed a scalable PostgreSQL database and RESTful APIs with Express.js to support seamless frontend-backend communication and complex workflow automation in Viasocket.
- **Mastered Advanced Git and GitHub Practices:** Gained expertise in sophisticated Git features (rebasing, cherry-picking, squashing) and implemented effective branching strategies, optimizing codebase management and accelerating feature deployments to production.
- **Excelled in Task Prioritization and Team Collaboration:** Streamlined task prioritization and maintained seamless communication within the team, ensuring efficient project progression and reducing delays through well-coordinated collaborative efforts.

Projects

Document Tracking Application

- Integrated AI/ML model to automate OCR and data extraction, enhancing document digitization accuracy. Built a secure backend using Node.js and Express.js, including efficient image handling with Multer for document processing.
- Improved data accuracy and user efficiency by automating the document-to-PDF conversion process, gaining valuable insights into streamlining document workflows through AI and reducing manual input.

Skills

Languages: TypeScript, JavaScript, C++, SQL, HTML/CSS.

Frontend: Next.js, React.js, React Native, Redux, React Query.

Backend: Node.js, Express.js, Microservices, Api Integration, Encryption, Rest API.

Databases: MySQL, PostgresSQL, MongoDB, Pinecone, Redis.

Skills: Prompt Engineering, GCP, Git, Problem Solving, Debugging, Testing, Responsive Web Design.

Achievements

Successful Migration from Knowledge Base (KB) to Techdoc

- Executed the seamless migration of data from the deprecated Knowledge Base product of MSG91 to Techdoc within one week, integrating AI features and enabling Single Sign-On (SSO) for legacy users, boosting Techdoc's user base by 15%.
- Achieved an 80% cost reduction by consolidating KB's functions within Techdoc, eliminating the need for a five-member support team on the KB product.

Mentored and Developed Junior Talent

- Provided guidance and support to three interns in React, Redux, Node.js, SQL, and Git, helping them build a strong technical foundation. Two interns transitioned to full-time roles, reflecting their hard work and development during the mentorship period.

Winner of Smart India Hackathon 2022

- Led a team of six to develop an innovative document tracking application prototype, using OCR and AI to convert handwritten document images into PDFs, streamlining documentation processes.