Sahil Patel

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Full Stack Developer / Software Developer

Experienced Full Stack Developer crafting robust solutions. Passionate nature photographer and dedicated teacher. Thrive in both backend and frontend development, blending tech with creativity.

EXPERIENCE

The Fluxbyte Technologies, Ahmedabad— *Full Stack Developer*

MAY 2022 - PRESENT

- Built and optimized reusable component libraries in React, reducing development time for new features and maintaining consistency across applications.
- Developed custom hooks and utilities in React, enhancing code reusability and simplifying state management.
- Integrated third-party APIs and services (e.g., payment gateways, social media logins) to enhance application functionality and user engagement.
- Implemented role-based access control and authentication using JWT and OAuth2, ensuring secure access to sensitive application features.
- Configured and deployed applications on cloud platforms like AWS, improving application scalability, reliability, and performance.
- Established CI/CD pipelines using tools like GitHub CI, reducing deployment time and streamlining release management.
- Optimized database queries and indexing, reducing data retrieval times and enhancing backend performance.
- Worked closely with UI/UX designers, translating designs into responsive, mobile-friendly user interfaces that adhered to best practices.
- Documented API endpoints and application architecture for internal teams, improving knowledge sharing and onboarding efficiency.
- Automated routine tasks and data processing using scripts, reducing manual workload and improving team productivity.
- Monitored and resolved production issues using tools like Sentry, ensuring high availability and prompt bug resolution.

SKILLS

Python, FastAPI,Django,

JavaScript, ReactJs, NextJs,

NestJs, NodeJs, Typescript,

React Native, Git, DevOps,

aws, Docker, Kubernetes,

MySQL, PgAdmin, MongoDB,

ExpressJs

INTERESTS

Photography, Music,

Traveling, Trekking,

Self Learning

LANGUAGES

English, Hindi, Gujarati

Zydus School for Excellence, Ahmedabad— *PGT Computer Teacher*

OCTOBER 2021 - APRIL 2022

- Instructed Python course for Web Development (Django) course, as well as foundational and advanced concepts in Artificial Intelligence and Machine Learning, impacting over 100 students and raising project success rates by 40%.
- Guided over 50 students through hands-on project work, fostering creative thinking and helping them implement innovative project ideas, resulting in 25+ unique solutions.
- Built comprehensive management systems using JavaScript and Python, improving operational efficiency by 35% and reducing manual data entry time by 60%.
- Implemented robust system security and data assurance protocols, reducing security vulnerabilities by 40% and ensuring safe data handling.
- Designed and developed databases, web forms, and file systems for various educational purposes, achieving a 50% improvement in data organization and accessibility.

EDUCATION

Indrashil Institute of Engineering, Kadi— *B.Tech (Computer Science Engineer)*

MAY 2011 - JUNE 2020

CERTIFICATE

Gujarat Infotech Limited, Ahmedabad— *Python & Advance Python*

DECEMBER 2020 - APRIL 2021

- Completed Python & Advanced Python Course and specialized in Web Developing, Software Developing, Machine Learning & Artificial Intelligence.

COMPANY PROJECTS

Chale Web App

*Developed a comprehensive web and mobile application designed to facilitate cab booking and real-time tracking for users. The **web frontend** was built using **ReactJS** , ensuring a responsive and intuitive user interface. The **backend** was powered by **C#** , providing robust support for booking management, driver assignment, and payment processing. For the **mobile application** , **Ionic** was used to create a cross-platform experience for both iOS and Android users. This project enabled seamless connectivity between drivers and passengers, with real-time location tracking, optimized route suggestions, and secure in-app payments.*

EOS-MIS-ILR

*Built a dynamic and user-friendly web application designed for online learning, enabling users to access courses, track progress, and engage with interactive content. The **frontend** was developed with **AngularJS** and styled using **TailwindCSS** for a clean, responsive UI, while **TypeScript** enhanced code reliability and maintainability. The **backend** was implemented in **Node.js** , ensuring smooth handling of course data, user management, and secure interactions. Data was stored and managed in **PGAdmin** with **AWS** providing scalable hosting. A complex data syncing solution was implemented to keep **WordPress** and **PGAdmin** databases synchronized, ensuring consistent updates across platforms for seamless learning experiences.*

Studio-NT

*Developed a sleek and visually compelling static website tailored to showcase the work of a professional architect. Built using **ReactJS** and **TypeScript** for a robust, type-safe codebase, with **TailwindCSS** providing custom, responsive styling to highlight architectural visuals. The site was optimized for performance using **Vite** , ensuring fast load times and a smooth user experience. Designed to reflect the client's aesthetic and professional standards, the website effectively presents the architect's portfolio, projects, and services, delivering an engaging, visually rich platform that aligns with the architectural profession.*

Trubite

*Developed a modern, user-friendly website for a wheat distribution business in Dubai, designed to streamline customer access to product information, pricing, and inquiries. Built with **ReactJS** and **TypeScript** for a robust, maintainable codebase, with **TailwindCSS** to create a clean, professional aesthetic that aligns with the brand.*

HRMS – Human Resource Management System

*Developed a comprehensive Human Resource Management System designed to streamline HR processes such as employee onboarding, payroll management, and performance tracking. The **frontend** was built using **Next.js** for a fast, SEO-friendly user interface, while **TailwindCSS** provides a clean, responsive design. The **backend** was powered by **NestJS** with **TypeScript** ensuring scalable, type-safe development and efficient handling of complex HR workflows. This system improved HR efficiency by centralizing employee data, automating routine tasks, and providing intuitive dashboards and reporting tools for better decision-making.*

PMSaaS – Project & Task Management System

*Developed a powerful cloud-based Project and Task Management System, similar to Trello or Jira, designed to streamline project workflows, task assignment, and team collaboration. The **frontend** was built using **ReactJS** and styled with **TailwindCSS** , providing a responsive and intuitive user interface. The **backend** was developed with **Node.js** and **ExpressJS** , leveraging **TypeScript** for type safety and maintainability. The system offers features like task boards, project timelines, and real-time updates, helping teams manage projects efficiently, track progress, and enhance collaboration.*

Glimps

*Developed an innovative project that enables users to capture screenshots and videos of third-party apps through a Chrome extension, designed for marketing and client demos. The **frontend** of the web application was built using **ReactJS** , **TailwindCSS** , and **TypeScript** , providing a sleek, responsive user interface. The **backend** was powered by **NestJS** with data management through **PGAdmin** , ensuring efficient data storage and retrieval. The Chrome extension, built with **ReactJS** and **Manifest V3** , allows users to easily record app activities and generate media content.*

Gaming Video Application

*Developed a dynamic mobile application for gaming video streaming and content sharing. The **frontend** was built using **React Native** , ensuring a seamless, cross-platform experience for both iOS and Android users. The app allows users to upload, view, and interact with gaming videos, enhancing user engagement with real-time features. The **backend** was powered by **NestJS** with **TypeScript** , providing a scalable, secure architecture to handle video data, user authentication, and content management. The app delivers smooth video playback, personalized recommendations, and social interaction features, creating an immersive platform for the gaming community.*

PMSaaS AI Modal Chat Application

*Developed an advanced AI-powered chat application, similar to ChatGPT, enabling users to engage in intelligent, real-time conversations. The **frontend** was built using **ReactJS** , **TypeScript** , and **TailwindCSS** , ensuring a responsive, user-friendly interface with smooth interactions. The **backend** was powered by **FastAPI** , providing fast, asynchronous handling of user queries and AI responses. This app offers a seamless, real-time communication platform with scalable architecture to handle growing user demand.*

PERSONAL PROJECTS

Taxspert Web Application

*Developed a comprehensive tax filing platform designed to help users calculate and file their income tax returns based on the Indian taxation system. The **frontend** was built using **ReactJS** , **TypeScript** , and **TailwindCSS** , offering an intuitive, responsive user interface for easy data entry and tax calculations. The **backend** was powered by **Node.js** and **ExpressJS** , with a **monorepo** setup to streamline development and maintain scalability. **PGAdmin** was used for efficient database management, ensuring secure storage and retrieval of user data. The platform provides automated tax calculation, filing, and real-time status tracking, simplifying the tax process for users.*

Student Management System

*Developed a robust web application designed to manage student records, including enrollment, attendance, grades, and course management. The **backend** was built using **Django** , providing a secure and scalable framework for handling student data and system operations. **MySQL** was used as the database, ensuring efficient storage, retrieval, and management of large volumes of student information. The system allows administrators to easily manage student profiles, track academic progress, and generate reports, streamlining the administrative workload and enhancing the overall efficiency of educational institutions.*