

Sahil Ahmed

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EXPERIENCE

Software Engineer

Aug 2022 – Present

FuelBuddy

Gurugram, India

- Developed mission-critical, scalable, high-performance and responsive **Progressive Web Apps (PWA)** leveraging **React, React Native, Redux, Vue, and GraphQL** for the delivery and operations teams within an **Agile** framework. This optimised workflow resulted in a **27% boost in delivery efficiency**.
- Integrated **Mapbox** and UI libraries for designing intuitive location tracking and order visualization views while **adhering to established UI/UX design principles**. This streamlined delivery routes, **reducing average delivery times by 50 minutes per order**.
- Implemented **multi-language support for local Indian languages in addition to English, expanding the driver base by 40%** and increasing success rates for onboarding.
- Integrated **real-time notification** functionality and authentication using **Firebase**, ensuring drivers were always informed of critical updates and order changes.
- Spearheaded the front-end development of an **automated fuel dispensing system** in remote partnership with the IoT and operations teams based in UAE and all over India using **WebSockets, resulting in a 32% increase in dispensing accuracy**.
- Engineered real-time **dispenser stats fetching, e-lock control mechanisms, and RFID-based vehicle identification** for precise asset fueling leading to the **prevention of manual errors by 44%** and **reducing fuel pilferage by an estimated 5,900 liters per month**.
- While working on-site in **Dubai, UAE**, developed a **polymorphic codebase** to abstract interactions with **diverse dispenser models (Tokheim, Isoil, Veeder)**, accelerating feature implementation and fostering efficient collaboration between India and UAE development teams.

PROJECTS

SnipChat | *Quasar, Vue.js, Firebase, Mapbox GL JS, WorkBox, Vite*

- Developed a responsive Progressive Web App (PWA) utilizing Backend-as-a-Service (BaaS) to deliver a seamless chat experience with features like sending snaps, images and location.
- Implemented real-time notifications and service workers to enhance engagement and ensure offline functionality, addressing connectivity challenges.
- Integrated a unique feature for users to discover and add random users from their location on a map, fostering new connections.

SwissArmyKnife NewTab | *Javascript, HTML/CSS*

- Built a Chrome extension that replaces the new tab page with a custom interface with real-time Bitcoin price, weather updates, and other productivity tools.
- Implemented features like a site blocker, Pomodoro timer, To-Do list and Save links to read later feature to boost user focus and productivity.
- Utilized many APIs, including CoinGecko and OpenWeatherMap, for dynamic content like a random quote, joke and background each time the user opens a new tab.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML/CSS, Python, SQL (Postgres), GraphQL

Frameworks & Libraries: React, React Native, Next.js, React Three Fiber (R3F), Framer Motion, Vue.js, Quasar, Electron, Node.js, MongoDB, Express, Firebase, Vitest, Playwright

Tools & Technologies: Git, Docker, Google Cloud Platform, VS Code, WordPress, Figma, PWA, LLMs

Other Skills: Prompt Engineering, Technical Proficiency, Information Literacy, Auto-didactic Skills

AWARDS

Performer of the Month

September, 2023

Awarded for delivering critical business features within tight deadlines

EDUCATION

Jamia Hamdard University

Delhi, India

Bachelor of Technology in Computer Science Engineering

Aug. 2019 – April 2023