Sahal Ibrahim

Full Stack Developer

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🪪 Summary

B.Tech ↗ **graduate in Computer Science** and a **Full Stack Developer** with expertise in **Python (FastAPI, Django)** for backend development, **React** for frontend development, and **PostgreSQL and MongoDB** for database management. I have **hands-on experience in industrial-level projects**, focusing on building scalable web applications. Guided by **experienced software developers with over five years of industry expertise**, I have strengthened my skills in backend development, API design, and database optimization. I am passionate about developing efficient, real-world solutions and continuously enhancing my technical and problem-solving abilities.

🎓 Education

BTech in Computer Science   06/2020 - 06/2024
KMEA ENGINEERING COLLEGE ↗   Ernakulam, India

💼 Work Experience

BROTOTYPE   07/2024 - 03/2025
Software Developer   Kerala, India

Brototype is a tech training and development company that focuses on building skilled software developers through hands-on, industry-level projects. As a **Software Developer**, I have worked on developing and maintaining scalable web applications, collaborating with experienced developers, and gaining expertise in full-stack development.

- Designed, developed, and deployed web applications using **FastAPI, Django, and React.js**.
- Built and optimized database solutions using **PostgreSQL and MongoDB**.
- Developed RESTful APIs for seamless communication between frontend and backend.
- Collaborated with a team of developers to implement best coding practices and Agile methodologies.
- Worked on **cloud deployment** and server management using **AWS and Nginx**.
- Contributed to multiple industrial-level projects with real-world applications.

📁 Projects

MindCare ⬀   03/2025 – present

*A mental health support platform built with FastAPI (Backend) and React
(Frontend), offering resources, self-assessment tools, and therapist
connections*

- Developed a responsive frontend with React for mood tracking and
  journaling.
- Built a RESTful API using FastAPI to handle user data and assessments
  securely.
- Implemented JWT-based authentication and encrypted data storage for
  privacy.
- Integrated interactive dashboards for users to track mental wellness
  progress.

Gouter ⬀

*A web-based platform designed to streamline restaurant reservations and
enhance the dining experience*

- **Developed a scalable restaurant reservation system**, allowing users to
  book time slots and order food in advance.
- Implemented a user-friendly booking system.
- Developed a seamless dining reservation system
- Created a seller dashboard for restaurants to manage bookings
- Integrated secure online payment

Finger-Recognition ⬀

Real-Time Hand and Finger Tracking Using OpenCV

Finger Recognition Project with real-time capabilities
Developed a real-time hand and finger tracking system using OpenCV
Processed live video input from the camera to detect and count raised
fingers

Netflix ⬀

Netflix-Inspired Streaming Platform with Dynamic Content Fetching

- Netflix Clone – React.js,Firebase,TMDb API
- Built a Netflix-inspired streaming platform using React.js for the
  frontend.
- Integrated Firebase Authentication for secure user login and signup.
- Used TMDb API to fetch and display dynamic movie content.
- Designed a responsive UI with a sleek, Netflix-like interface.
- Implemented smooth navigation and movie category filtering.

OLX ⬀

OLX-Inspired Marketplace with Real-Time Listings and Authentication

- Developed an OLX-inspired marketplace using React.js for the frontend.
- Implemented user authentication, product posting, and a responsive UI.
- Enabled real-time product listing and filtering for a smooth user
  experience.

🧠 Skills

Python	● ● ● ● ●	FastAPI	● ● ● ● ●
Django	● ● ● ● ●	React.js	● ● ● ● ●
Postgresql	● ● ● ● ○	mongodb	● ● ● ● ○
JavaScript	● ● ● ● ○	RestAPI's	● ● ● ● ○
Rest Framework	● ● ● ● ○	Figma	● ● ● ● ●
Data structures	● ● ● ● ○	MVT Architecture	● ● ● ● ●
JWT	● ● ● ● ○	OpenCV	● ● ● ● ○
Nginx	● ● ● ○ ○	HTML	● ● ● ● ●
CSS	● ● ● ● ●	Bootstrap	● ● ● ● ●
tailwind css	● ● ● ● ○	AWS	● ● ● ● ○
Git	● ● ● ● ●	Github	● ● ● ● ●
Redux	● ● ● ● ○	Pandas	● ● ● ○ ○

🧩 Strengths

Soft Skills
- **Adaptability & Continuous Learning** – Always
  eager to learn new technologies and adapt
  to fast-paced developement environments.
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- **Effective Communication** – Ability to
  present technical concepts clearly to both
  technical and non-technical audiences.