

MUHAMMED SABIR P

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Experience

Software Developer

Bistux Solutions Pvt. Ltd.

Jan 2024 – Present

- Revamped the company app with a modern UI using Material UI and React components, significantly improving user experience.
- Optimized and rewrote the entire dashboard codebase that displays real-time and aggregated hourly, daily, and monthly data in visually appealing graphs, achieving significant reduction in initial load time and enhanced time handling like automatic time zone conversions.
- Implemented a comprehensive contact activities timeline using Cassandra DB and RESTful APIs, featuring timestamped logs, actions, play recorded calls, live transcription, and quick notes, enhancing activity tracking.
- Designed advanced filtering and search functionalities for 500,000+ contacts in Cassandra DB, achieving faster and more efficient data retrieval.
- Developed intuitive soft-phone UI with robust call management backend microservices thus improving the system modularity.

Projects

Angle - AI Animation Studio | [Github](#) | Next JS, Python, Tailwind CSS, Framer, FFmpeg, Supabase DB, Manim

- Developed a responsive AI-powered web application that enables users to generate animations from text prompts using Manim
- Integrated FFmpeg for video processing, adding multiple audio, trimming and exporting as mp4.
- Implemented media storage and retrieval using Supabase Storage, ensuring efficient content delivery.
- Designed an intuitive video maker UI with Tailwind CSS and Framer, providing a smooth and interactive user experience.

Chat with AI-RAG | [Github](#) | Next JS, TypeScript, LangChain, Tailwind CSS

- Built an intelligent chat-based web application with 3 modes of communication with AI
- Implemented retrieval-augmented generation (RAG) using LangChain to enhance conversational AI accuracy.
- Upload any document (PDF & JSON supported now) and explore together with contextual AI

Crypto Gate | [Github](#) | Next Js, Jupiter, Solana, PostgreSQL, Prisma, JWT, Tailwind CSS

- Developed a secure crypto payment gateway enabling merchants to accept payments in any token with automatic USDC conversion using Jupiter.
- Integrated Solana Web3.js for wallet interactions, transaction handling, and real-time payment detection.
- Built a dynamic merchant dashboard for monitoring balances, transaction history, and settlement activity.
- Utilized Prisma ORM with PostgreSQL for efficient and scalable data management, and containerized the app with Docker for streamlined deployment.

Blog Web Application | [Github](#) | React, JavaScript, Redux, React Router, TinyMCE, Appwrite, Tailwind CSS, Vite

- Developed a responsive web application that allows users to create, upload media, edit, and manage blog posts with efficiency.
- Implemented a robust backend and user authentication system using Appwrite, enabling seamless access across devices.
- Integrated TinyMCE for a rich text editing experience, empowering users to compose and format posts effortlessly.

Education

APJ Kerala Technological University

Bachelor of Engineering, Electrical and Electronics

08/2019 - 10/2023

Certificates & Achievements

- IBM - Developing Front-End Apps with React
- IBM - Developing Back-End Apps with Node.js and Express
- Developing Cloud Native Applications
- Django Application Development with SQL and Databases

Technical Skills

Languages: TypeScript | JavaScript | Python | C++ | Rust | Java | HTML | CSS | Nix

Frameworks & Libraries: React | Express.js | Tailwind | Node.js | Django | Redux | React Router | Material UI | Bootstrap | React Flow

Databases: Cassandra | MongoDB | PostgreSQL | MySQL

Linux: Shell Scripting & System Administration | Package & File System Management | Firewall & Protocol Configurations

Software & Tools: Git | Visual Studio | Appwrite | TinyMCE | Postman | Heroku | Docker | IBM Code Engine | Vite | Figma | Proteus | MATLAB Simulink | Microsoft Office | Ngrok | Blender | DaVinci Resolve | SolidWorks | ANSYS | Nginx | AWS