Sumanta Kabiraj

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PROFESSIONAL SUMMARY

Full Stack Developer specializing in AI-powered, real-time healthcare applications. Expertise in building scalable systems using React, Next.js, Node.js, and databases like MongoDB and PostgreSQL. Proven ability to develop intelligent interfaces, automate consult notes, and integrate EHR systems, with a strong focus on secure authentication and backend automation.

SKILLS

React, Next.js, Angular, React Native, TypeScript, Tailwind CSS, SCSS, Styled Components, WebRTC, Node.js, Express.js, Python, FastAPI, Go, Laravel, Lumen, Serverless Functions, Cron Jobs, Socket.io, RESTful APIs, OAuth 2.0, MongoDB, PostgreSQL, MySQL, SQLite, Redis, Microsoft Azure, Azure B2C, Microsoft Azure Active Directory, Google Cloud Platform (GCP), AWS Lambda, Microservices, OpenAI GPT-4o, Gemini, Retrieval-Augmented Generation (RAG), AI/GenAI, DoseSpot EHR API, eFax, eRx, HIPAA, GDPR, Stripe, PayPal, NMI, Authorize.net, Recurly, Git, Unix/Linux, Agile Methodologies, DevOps, CI/CD, Problem Solving, Communication, Teamwork, Leadership, JavaScript, HTML, CSS, REST APIs, GraphQL, Cloud Computing, Database Management, System Design, Software Architecture, Data Structures, Algorithms, Version Control, Testing, Debugging, Performance Optimization, Security, Scalability, Microservices Architecture, Containerization, Docker, Kubernetes, Continuous Integration, Continuous Deployment, AWS, Azure, GCP, Serverless Computing, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Data Analysis, Data Visualization, Business Intelligence, Project Management, Product Management, UI/UX Design, Mobile Development, Cross-Platform Development, Web Development, Backend Development, Frontend Development, Full Stack Development

EXPERIENCE

BexCode Services | IT Technology   02/2023 - present
Full Stack Developer | Team Lead

- Led the end-to-end development of advanced healthcare and telehealth platforms, integrating real-time features, AI, and complex Electronic Health Record (EHR) workflows.
- Implemented AI-powered consult note generation from patient-provider conversations, enhancing documentation efficiency.
- Built full-stack solutions using Next.js, Angular, React.js, Node.js, and React Native, with scalable backends on MongoDB, PostgreSQL, and Redis.

Tata Consultancy Services   02/2021 - 11/2022
Assistant Systems Engineer

- Developed and maintained backend services using Node.js and Express.js, optimizing performance for high-throughput systems.
- Implemented WebSocket communication with Socket.io to support real-time features such as live notifications and activity streams.
- Managed and secured Unix/Linux user accounts, including role-based access controls and shell automation for provisioning.

Real Time Consultancy Service (RTCS)   06/2019 - 02/2020
Full Stack Developer

- Developed end-to-end features for a College Management Software using Laravel, Lumen, ReactJS, and MySQL to manage student enrollment, faculty profiles, schedules, and exam modules.
- Designed a modular job portal supporting real-time applicant tracking and recruiter workflows, powered by Node.js, MongoDB, and SCSS.
- Built a transport management solution with mobile QR code validation and OTP-based authentication, streamlining permit generation, vehicle verification, and transport compliance checks.

PROJECTS

Hirelytics - AI Interview Platform for Modern Hiring

- Developed a comprehensive recruitment and hiring platform supporting recruiter and candidate roles with AI-powered interviews and real-time audio processing.
- Implemented automated evaluation of candidates based on technical skills, communication skills, problem-solving, and cultural fit.

Python CLI AI Coder (GenAI)

- Created a command-line tool leveraging artificial intelligence to generate complete project structures and streamline development workflows.

Talkthru Mental Health Therapy AI Chatbot

- Built an AI-powered mental health chatbot using Retrieval-Augmented Generation (RAG), OpenAI GPT-4o, and Gemini for context-aware, CBT-based therapeutic conversations.
- Integrated emotion detection, vector-based memory, and semantic search for personalized support, ensuring HIPAA/GDPR compliance.

Healthvio – Telehealth Consultation Platform

- Developed a full-featured telehealth platform supporting virtual consultations, appointment scheduling, and treatment service management.
- Implemented dynamic questionnaires, Google and Outlook calendar integration, and Agora-based video calling for seamless patient-provider communication.

Video Call Appointment App

- Developed a video call appointment application using Next.js, ReactJs, SCSS, Tailwind, and WebRTC.

Full Stack Kanban Application

- Developed a full stack Kanban application using ReactJs, Node, MongoDB, Express, Tailwind Css, and Styled Component.

Dynamic Form Builder

- Developed a dynamic form builder using ReactJs, Nextjs, Node, Postgres, Express, Tailwind Css, and Styled Component.

Pizza Booking Application

- Developed a pizza booking application using ReactJs, Node, MongoDB, Express, and Tailwind Css.

EDUCATION

Bachelor of Computer Science   **06/2019**
Trivenidevi Bhalotia College

Higher Secondary (W.B.C.H.S.E - Science)   **2016**
Ondal High School

Secondary (W.B.B.S.E)   **2014**
Dakshinkhanda High School