

BIJAY JENA

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OBJECTIVE

Application Engineer and Full Stack Developer with a strong foundation in React, React Native, and backend APIs, specializing in integrating AI into real-world applications. Passionate about scalable app architecture, delivering high-performance solutions, and driving product innovation using modern web and mobile technologies.

EDUCATION

Silicon Institute of Technology, Bhubaneswar

2023

Bachelor of Engineering in Computer Science and Engineering.

Kendriya Vidyalaya No.1, Bhubaneswar

2017, 2019

10th, 12th Standard CBSE.

EXPERIENCE

Squbix Digital Private Limited, Bhubaneswar

Oct 2023 – Present

Associate Team Lead & Manager

- Led a 5-member team to develop the Billing Module for a Hospital Information System (HIS) using React.js, focusing on scalable architecture and clean code practices.
- Increased HIS web app performance by 70–80% through effective usage of React Hooks, Redux Toolkit, and caching techniques.
- Integrated AI features like speech-to-text transcription and conversation analysis into React and React Native applications, enhancing user interaction and diagnostics for medical users.
- Developed and deployed a full-stack Patient-Doctor Application, designing RESTful CRUD APIs using Node.js and Firebase, including authentication and role-based access.
- Delivered cross-platform apps (Chasi and MediClub) using Expo React Native and Firebase, ensuring real-time sync and responsive design.
- Created Medbot – an AI chatbot for doctors, enabling intelligent medical query handling via NLP integration.
- Rapidly developed and deployed a digital wallet app (Sqwallet) within 10 days and contributed to its offline payment white paper.
- Planned and implemented software architecture using High-Level Design (HLD) and Low-Level Design (LLD) documents to ensure robustness and future scalability.
- Applied monorepo and multi-repo approaches with and without Module Federation to enable micro-frontend development and modular deployment.

TECHNICAL SKILLS

- Frontend: React.js, React Native, Redux Toolkit, Expo, Material UI
- Backend: Node.js, Express, Firebase, MongoDB, REST APIs
- AI Integration: Speech Transcription APIs, Conversation Analysis, Chatbot (NLP-based)
- DevOps/Tools: Git, Postman, VS Code, Figma
- Architecture: HLD/LLD Documentation, Monorepo/Multi-repo, Module Federation
- Data & Analytics: Python, SQL, Power BI, Excel, Spark, Hadoop, Snowflake, Hive
- OS: Linux, Windows

TRAINING AND INTERNSHIPS

- AI-Powered Data Specialization: Data Analysis, Data Engineering, Visualization, and Science – Futurense Technologies (May–Sept 2023)
- Software Development Intern – Squbix Digital Pvt. Ltd. (Jul–Dec 2022)

PROJECTS

- Offline messaging implementation using Bluetooth and Wi-Fi modules in React Native with access to native APIs (Nov 2023)
- CRUD-based Patient-Doctor management app with secure authentication, real-time data handling, and medical records tracking
- Integrated OpenAI APIs to enhance interactivity in mobile apps with AI-generated summaries and transcription