

# BIJAY JENA

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## OBJECTIVE

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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

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**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

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**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

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- 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

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

## PROJECTS

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- 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