

Bhojraj Ashok Chavan

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SUMMARY

Senior Full Stack Developer with 2.10 years of experience designing, developing, and delivering high-performance SaaS web applications. Proficient in React.js, Next.js, TypeScript, Node.js, and Express.js with hands-on expertise in scalable PWA architecture, RESTful API development, and cloud infrastructure on AWS. Experienced in integrating AI and LLM APIs (OpenAI, Google Gemini, RAG pipelines) into production systems. Skilled in Agile methodologies, cross-functional team collaboration, and driving product delivery from concept to production.

AREAS OF EXPERTISE

- **Frontend Development:** React.js | Next.js | TypeScript | JavaScript (ES6+) | TanStack Query | Redux | Tailwind CSS | MUI X Data Grid Pro | Framer Motion | HTML5 | CSS3 | React Router v7 | Formik | Recharts | D3 | Apryse WebViewer | dnd-kit | i18next | ExcelJS
- **Backend Development:** Node.js | Express.js | Next.js API Routes | RESTful APIs | WebSocket | SSE | JWT | bcrypt | BullMQ | node-cron
- **AI & Integrations:** OpenAI | Google Gemini | LiteLLM | Ragie | RAG Pipelines | Vector Search | LLM Integration | Auth0 | Stripe | Mailgun | Firebase Admin
- **Database & Cloud:** MongoDB | Mongoose | SQL | Redis | Firebase Firestore | AWS S3 | AWS SQS | AWS Rekognition
- **Tools & Practices:** Git | GitHub | Bitbucket | Sentry | Postman | Jira | Agile | Scrum | CI/CD | Code Review
- **Gen AI Tools:** Claude Console | Cursor AI | Codex

WORK EXPERIENCE

Sr. Software Developer

Walstar Technologies

April 2024 – May 2026

Kolhapur, MH

- Lead full-stack development of scalable SaaS web applications using React.js, TypeScript, TanStack Query, and MUI X, supporting 500+ active users across a production PWA.
- Implemented AI-powered face recognition for employee clock-in using AWS Rekognition, integrated with GPS-based attendance tracking to prevent proxy attendance and strengthen workforce accountability.
- Built cron-based automated reporting pipelines using `node-cron` to generate and deliver daily workforce attendance summaries via email to project stakeholders.
- Collaborated with DevOps and cross-functional teams on code reviews and Git branching workflows, improving delivery timelines by 15%.

Software Developer Trainee — React.js

Mobilotte Technologies

March 2023 – October 2023

Pune, MH

- Built and maintained responsive React.js interfaces using JavaScript (ES6+), HTML5, and CSS3, delivering production-ready features across multiple client projects.
- Implemented RESTful API integrations and collaborated within Agile cross-functional teams to resolve bugs and ensure seamless frontend-backend integration.
- Contributed to sprint planning and code reviews; improved component reusability by introducing shared UI component libraries.

KEY PROJECTS

Bynaus — Intelligent Construction Operations Platform | React, TypeScript, Node.js, AWS, OpenAI, Gemini

– **Live at:** bynaus.ai

- Architected a multi-tenant SaaS web application for full-lifecycle construction management — covering project setup, cost codes, daily reporting, drawings, submittals, RFIs, and document transmittals — for 500+ active users across a React PWA and Node.js/Express REST API.
- Built a complete workforce and time management suite with GPS-based clock-in/out, geofence enforcement, timecard management, shift scheduling, and kiosk mode for field sites.
- Built attendance report listing views using MUI X Data Grid Pro, enabling efficient data display, filtering, and export of workforce timecard records.
- Engineered the **Bynaus AI Companion** integrating OpenAI, Google Gemini, LiteLLM, and Ragie to deliver multi-agent chat, AI-assisted contract reviews, playbook automation, daily briefs, and workflow DAGs — reducing manual data processing time by 45%.

- Collaborated with the Python team to consume FastAPI microservice endpoints from Node.js, triggering LLM-based (Google Gemini) extraction pipelines on architectural drawings and sheets uploaded to AWS S3.
- Implemented a PDF vector engine with Apryse WebViewer for architectural drawing processing, takeoff calibration, and submittal/RFI document workflows.
- Integrated Sentry for error monitoring across the PWA and API; connected Auth0 SSO, Stripe billing, AWS S3/SQS, Redis, and Google Maps into the platform.

NEXORA — *AI Knowledge Workspace SaaS | Next.js, React, TypeScript, MongoDB, Redis, OpenAI, RAG*

- **Repository:** github.com/Bhojraj27/nexora
- Designed and built a full-stack, multi-tenant AI knowledge workspace enabling teams to upload documents (PDF, DOCX, TXT, Markdown, CSV) and ask natural-language questions with source-cited, streaming RAG responses.
- Engineered a complete document ingestion pipeline using BullMQ background workers — text extraction, semantic chunking, OpenAI embeddings, and vector storage — with status tracking from upload through indexing to ready-for-chat.
- Implemented role-based access control (Owner, Admin, Member, Viewer) with workspace isolation, JWT session auth, Redis-backed rate limiting, and tenant-scoped caching to secure multi-tenant data access.
- Built REST and streaming API routes (NDJSON/SSE) for RAG chat, semantic search, document upload/download, analytics, and real-time notifications using Next.js 16 App Router and Server Actions.
- Developed a responsive SaaS UI with mobile navigation, dark/light theming, scroll-triggered animations, analytics dashboards, team management, usage billing tiers, and TanStack Query for client-side data fetching.
- Architected a provider-agnostic backend supporting mock and OpenAI AI providers, local and AWS S3 storage, and mock/MongoDB vector search — enabling zero-config local development and production deployment on Vercel.

YAU TeamUp (Youth Athletic Union) — *Multi-portal Sports Management Platform | React, Tailwind CSS, Firebase*

- **Portals:** [Admin](#) | [Coach](#) | [Member](#)
- Developed a scalable multi-portal web application for admins, coaches, and members, handling complex roster scheduling, team communications, and role-based access control.
- Engineered backend logic via Firebase Cloud Functions and Firestore to securely process 1,000+ weekly data syncs with 99.9% uptime.

Jeff Music Therapy Admin Panel — *Music Therapy Dashboard | React.js, Node.js, Express.js, MongoDB*

- Designed and built a full-stack administrative dashboard managing a library of 5,000+ media assets with secure role-based access control for facility users.
- Engineered RESTful APIs with Node.js and Express.js, optimizing data retrieval pipelines and reducing backend latency by 15%.

EDUCATION

Dr D Y Patil College of Engineering and Innovation
Bachelor of Engineering in Computer Engineering — 78.44%

Pune, MH
 2020 – 2023

Sharad Institute of Technology and Polytechnic
Diploma in Computer Engineering — 85.94%

Ichalkaranji, MH
 2017 – 2020

RVD Highschool
10th(SSC) — 73.40%

Dafalapur, MH
 2017