

VIMAL JAIN

Surat, Gujarat, India | +91 7069484606 | jvimal858@gmail.com

linkedin.com/in/vimal-jain-dev | github.com/vimalj0611

PROFESSIONAL SUMMARY

Software Developer with 5 years of experience specializing in scalable MERN stack applications, real-time platforms, and AI-integrated solutions. Proven track record in system design, API architecture, and performance optimization. Experienced in leading cross-functional teams and managing end-to-end delivery for international clients.

CORE COMPETENCIES

MERN Stack Development, React Development, System Design, AI & RAG, Full-Stack Development, Problem Solving, Application Architecture, REST API Design, Real-Time Systems, Performance Optimization, Client Management, Team Leadership, Technical Ownership, Agile Delivery

TECHNICAL SKILLS

Frontend: React.js, JavaScript, TypeScript, Redux Toolkit, RTK Query, D3.js, Angular, HTML5, CSS3, Tailwind CSS.

Backend: Node.js, Express.js, REST APIs, MongoDB, Mongoose, Redis, BullMQ, Socket.io, WebSockets, JWT, Puppeteer

AI & GenAI: RAG, LLM Integration, Prompt Engineering, OpenAI, Ollama, Embeddings, Document Processing, Speech-to-Text, Text-to-Speech

Architecture: System Design, Multi-Tenancy, RBAC, Authentication, API Security, Async Processing, Caching, Real-Time Architecture, Performance Optimization

AI-Assisted Development: Vibe Coding, Claude, Cursor, Windsurf, Codex, Antigravity, GitHub Copilot

Tools & Cloud: Git, GitHub, Docker, Postman, AWS S3, MinIO, PM2

PROFESSIONAL EXPERIENCE

Software Developer | Senior-Level Responsibilities

Webosmotic Pvt. Ltd. | Jul 2021 – Present | Including 6-month internship

- Architected and deployed full-stack applications using React, Node.js, and MongoDB, progressing from frontend specialization to technical leadership.
- Lead development teams through technical design, code reviews, and delivery, ensuring alignment between frontend, backend, and QA departments.
- Manage end-to-end feature ownership, from initial requirements gathering and international client consultation to production support.
- Drive system design initiatives for multi-tenancy, RBAC, real-time communication via Socket.io, and asynchronous processing using BullMQ and Redis.

- Implement AI-powered features including RAG workflows and LLM integrations to enhance application capabilities.

PROJECT HIGHLIGHTS

HRMS Backend System

Technologies: Node.js, TypeScript, Express.js, MongoDB, Socket.io, AWS S3, JWT, RBAC, PM2

Multi-tenant HR management backend supporting employee lifecycle, leave and attendance, task management, documents, HR services, and real-time notifications.

- Designed REST API architecture across HR domains with structured routes, services, models, validation, and error handling.
- Implemented company-level data isolation, RBAC, JWT authentication, and role-specific access for Admin, HR, Manager, and Employee workflows.
- Designed real-time notifications using Socket.io namespaces and background processing for asynchronous workflows.
- Designed document workflows using AWS S3, signed URLs, and document processing.
- Focused on scalability, API security, database indexing, and production-ready backend architecture.

Higher Education AI Chatbot

Technologies: React.js, Node.js, RAG, LLM, WebSocket, WordPress, iframe

AI-powered chatbot platform supporting conversational and voice-based interactions for higher education websites.

- Owned the React chatbot interface and integrated it into external WordPress websites through an iframe architecture.
- Worked on chat, conversation history, streaming responses, voice interactions, and frontend integration.
- Supported backend implementation and participated in system design for AI workflows, authentication, data flow, and real-time communication.
- Integrated RAG and LLM-powered responses and supported speech-to-text and text-to-speech workflows.
- Collaborated with the team to troubleshoot integration and production issues.

Bubble – Presentation Collaboration Platform

Technologies: React.js, Node.js, Socket.io, Google Apps Script, Office.js, Chrome Extension

Multi-product collaboration platform covering Google Slides, Microsoft PowerPoint, live comments, voting, audience interaction, and real-time presentation features.

- Worked across Google Slides Add-on, PowerPoint Add-in, Socket.io backend, and dedicated testing workflows.
- Developed React interfaces for interactive presentation and audience engagement features.
- Implemented real-time comments and voting using Socket.io and coordinated frontend/backend dependencies.

- Contributed to technical solutions for presentation-platform limitations and cross-environment integration.

Iyuga – Healthcare Scheduling Platform

Technologies: React.js, D3.js, REST APIs

Interactive healthcare scheduling platform with a visual 24-hour calendar and dynamic schedule management.

- Joined as a React and D3.js developer and progressively took ownership of frontend delivery.
- Worked directly with the client and coordinated with their React frontend and backend teams.
- Built the 24-hour scheduling interface with drag-and-drop, dynamic segment creation, resizing, and schedule interactions.
- Drove technical decisions and problem solving required to make the product functional, stable, and deliverable.
- Independently managed frontend issues through development, testing, client feedback, and delivery.

Althenia – Healthcare Platform

Technologies: React/Vue, Java Backend, REST APIs

Healthcare ecosystem with interconnected Doctor, Patient, and Staff applications.

- Coordinated frontend work across multiple sub-projects while working closely with the Java backend team.
- Worked directly with clients on requirements, technical issues, dependencies, and feature delivery.
- Helped teammates resolve implementation issues and supported consistency across interconnected applications.
- Improved existing application structure, reusable components, API data mapping, and frontend maintainability.
- Coordinated frontend/backend dependencies to keep complex healthcare workflows deliverable.

ProgressMaker – Enterprise Analytics Platform

Technologies: Angular, D3.js, REST APIs

Enterprise performance management platform for KPI tracking, analytics, dashboards, and reporting.

- Started as an intern and progressed into core frontend ownership across multiple enterprise modules.
- Developed D3.js dashboards and visualizations for KPI and reporting workflows.
- Designed a reusable date and time processing engine supporting multiple reporting requirements.
- Mapped data from multiple APIs into interactive analytics views and solved complex visualization issues.
- Supported teammates with frontend implementation, debugging, and feature delivery.

HTML to PDF Microservice

Technologies: Node.js, Express.js, Puppeteer, AWS S3

Backend microservice for generating print-ready PDFs from dynamic HTML content.

- Developed REST APIs for HTML-to-PDF generation and document processing.
- Resolved Puppeteer browser freeze, crash, timeout, concurrency, and memory-related production issues.
- Improved browser lifecycle management and concurrent PDF processing for service stability.
- Handled MathJax-heavy documents and integrated AWS S3 for document storage and retrieval.

Therapy Game – Rehabilitation Platform

Technologies: Unity, C#, BLE, EMG, Android

Interactive rehabilitation application using BLE-connected EMG sensors to translate muscle activity into gameplay.

- Independently owned development, technical decisions, client communication, testing, debugging, and delivery.
- Integrated BLE EMG sensor data with Unity gameplay and developed patient calibration workflows.
- Solved complex problems involving EMG thresholds, calibration, gameplay behavior, and sensor communication.
- Worked directly with the client on requirements, demonstrations, feedback, and production changes.

LEADERSHIP & CLIENT IMPACT

Team Leadership: Led selected project teams and coordinated technical tasks, dependencies, implementation, reviews, and delivery. Client Facing: Directly handled requirements, technical discussions, estimation, demonstrations, feedback, and issue resolution with international clients. Problem Solving: Strong experience diagnosing complex frontend, backend, integration, performance, real-time, and production issues. System Design: Contributed to scalable API architecture, authentication, RBAC, multi-tenancy, real-time systems, caching, async processing, and AI/RAG workflows.

EDUCATION

Bachelor of Engineering (Computer Engineering)

Mahavir Swami College of Engineering & Technology, Surat (GTU) | 2018 – 2021 | CGPA: 7.9/10

Diploma in Computer Science

Bhagwan Mahavir Polytechnic (GTU) | 2015 – 2018 | CGPA: 7.6/10