

SUMITRA THAWANI

Jaipur, Rajasthan · [+91-9057892017](tel:+91-9057892017) · sumitrathawani899@gmail.com · [linkedin.com/in/sumitra-thawani](https://www.linkedin.com/in/sumitra-thawani) · github.com/sumitrathawani

PROFESSIONAL SUMMARY

Full Stack Engineer with 4+ years building scalable enterprise applications using React.js, Node.js (NestJS/Express), PostgreSQL, and Azure. Experienced in microservices architecture, RESTful API design, AI model integrations (LLM, TTS, ASR), and Microsoft Power Platform. Delivered production systems across enterprise workflow, AdTech, social, and real-time domains for Japanese and global clients.

TECHNICAL SKILLS

Frontend: React.js, TypeScript, JavaScript, HTML5, CSS3, React Query, Redux Toolkit, WebSockets

Backend: Node.js, Express.js, NestJS, REST APIs, Microservices, Event-Driven Architecture

AI & LLM: OpenAI API, Claude API (Anthropic), LLM Integration, Text-to-Speech (TTS), Automatic Speech Recognition (ASR), Prompt Engineering

Databases: PostgreSQL, MongoDB, Redis, Sequelize ORM, Microsoft Dataverse

Cloud & DevOps: Microsoft Azure, Docker, Git, Power Apps, Power Automate, Power Pages

Concepts: JWT, RBAC, Permission-Based Access Control, Cron Jobs, API Integration, Jest, React Testing Library

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Celebal Technologies

Feb 2025 – Present

- Architected scalable Node.js (NestJS/Express) backend services powering enterprise approval workflows and large-scale file processing pipelines
- Integrated AI models (OpenAI/LLM APIs) to deliver intelligent features including natural language query handling and duplicate detection
- Built RESTful APIs connecting React frontends, backend services, and Microsoft Dataverse; integrated Azure services and Teams APIs
- Enforced RBAC for secure multi-tenant applications and optimized performance via Redis caching and async processing

Software Engineer – Full Stack | Wisflux Private Limited

Jun 2021 – Feb 2025

- Delivered full-stack products using React.js and Node.js (NestJS/Express) serving live production user bases across global clients
- Contributed to LACS, a large-scale social platform for a Japanese client, implementing core features including social feeds, posts, one-to-one and group messaging, and AI-powered capabilities (Text-to-Speech and Automatic Speech Recognition)
- Developed a Demand-Side Platform (DSP) and Supply-Side Platform (SSP) for Digital Out-of-Home (DOOH) advertising screens; built a granular user permission system from scratch supporting role-based and permission-based (CRUD) access control
- Built a microservices-based email notification service triggered by scheduled cron jobs, enabling automated event-driven communication at scale
- Implemented Redis caching to reduce system latency, built real-time features using WebSockets, and managed state via Redux Toolkit
- Integrated PostgreSQL with Sequelize ORM, optimized complex queries, and maintained test coverage with Jest and React Testing Library

KEY PROJECTS

Subscription Manager & Reminder System — React.js · Node.js · MongoDB · Node-Cron · OpenAI API

- Built full-stack subscription tracking platform with automated billing cycle reminders via cron jobs and Nodemailer
- Integrated AI assistant (LLM API) for natural language spend queries, duplicate detection, and cost-saving insights

File Processing & Automation System — React.js · Node.js · PostgreSQL

- Developed bulk data processing platform with validation pipelines, business rule enforcement, and automated output generation

Real-Time Chat Application — React.js · Node.js · WebSocket

- Built JWT-authenticated real-time chat platform with scalable WebSocket communication and multi-room support

EDUCATION

Master of Computer Applications (MCA)

Compucom Institute of Technology, Jaipur

2022 – 2024 | 87.0%

Bachelor of Computer Applications (BCA)

Kanoria Girls College, Jaipur

2018 – 2021 | 77.0%

ACHIEVEMENTS

- 1st Rank – Pair Programming Competition, Kanoria College
- 3rd Place (200 teams) – IT Hackathon 4.0, Anand International College
- 1st Rank – Technical Quiz, St. Xavier College, Jaipur