Sherbin S

sherbin.online GitHub LinkedIn sherbinsyles31@gmail.com +91 9677472562

Experience

Software Development Engineer I Jun 2025 – Present
Think41

- Worked in a 2-member engineering team to build a **conversational AI platform** for Magical Nest, enabling users to design custom floor plans interactively – contributing to **Rs. 4.12 crore pre-seed funding** at a **Rs. 60 crore valuation (Mar 2026)**.
- Built and productionized a **B2B mobile application** using **React Native** for Entero Healthcare Solutions (**BSE & NSE listed**), supporting **order management, inventory tracking, and distribution workflows** across **79,400+ pharmacies** and **3,300+ hospitals** in **500+ districts**.
- Shipped an end-to-end **session lifecycle management system** for Vyngo's voice AI assistant, including inactivity detection, timer resets, and graceful termination. Resolved production defects across **WebSocket reconnection, TTS pitch/SSML, and Android WebView** pipelines. Designed the **buyer/dealer notification architecture** using Twilio and Gupshup, and integrated **Typesense-based vehicle search** for Vyngo (Bhoruka Auto Tech), an **AI-driven commercial vehicle marketplace**.
- Architected, built, and deployed an end-to-end **conversational AI vehicle sales platform** for **Redington Group** using **Pipecat, FastAPI, and React**. Delivered a production-ready **AI-powered vehicle sales experience center** for showcasing through an **AWS partnership program**, owning the complete development lifecycle from architecture to deployment.

Software Development Engineer Intern Nov 2024 – May 2025
Think41

- Built a **live conversational voice AI platform** using **LiveKit, Deepgram, and ElevenLabs**, enabling real-time multi-agent collaboration and improving resolution speed; developed a POC that contributed to onboarding **JPMorgan Chase (JPMC)** as a client.
- Prototyped a **conversational AI floor plan design system** for Magical Nest, later converted into a paid client project and contributing to its funding round.
- Developed a **competitor analysis POC** for **FirstCry**, leveraging customer reviews and market trends to analyze competing products, identify product gaps, and uncover opportunities for product differentiation and strategic decision-making.

Projects

GBP Growth Suite (FastAPI, Google Business Profile API, OAuth 2.0, React Native) – Built a full-stack **Google Business Profile management platform** with OTP and Google OAuth authentication, an audit dashboard delivering **weighted scoring, sentiment analysis, and rank tracking**, and AI-generated reply suggestions for unanswered reviews. Implemented a **scheduled post-publishing worker**, cached Growth Intelligence runs for performance, and shipped a JWT-protected admin console for monitoring agent runs, costs, and failures, with a companion **mobile app**.

JoinX Score Calculation Agent (Python, FastAPI, LangChain, MySQL) | Live Link – Engineered a multimodal AI hiring agent with configurable filtering logic, producing **personality, fitment, and unified scores (0–100)** with automated candidate feedback. Architected **dual LLM support (Gemini & OpenAI)** for model flexibility and integrated a CI pipeline for reliable deployments.

Local Van – Vehicle Booking Platform (FastAPI, PostgreSQL, Next.js, AWS) | localvan.in – Designed and delivered an **RBAC-enabled B2B/B2C booking system** featuring KYC verification, end-to-end booking workflows, real-time **WhatsApp notifications**, and role-specific admin control panels for scalable fleet management.

CodePulse – Open-Source Engineering Analytics (Python, GitHub GraphQL API, PostgreSQL) | GitHub – Built an **open-source engineering analytics platform** that transforms GitHub activity into actionable insights through **developer contribution analytics, PR review metrics, merge-time tracking, and team productivity insights**. Implemented background synchronization to track repository activity and help engineering teams identify collaboration patterns and improve development workflows.

Technical Skills

- **Languages:** Python, Java, C, HTML, CSS
- **Frameworks:** FastAPI, Django, Spring Boot, Pipecat, LiveKit, React, Next.js, Angular, React Native
- **AI/ML:** LangChain, LLMs
- **Tools:** Git, Docker, AWS, GCP, ElevenLabs, Redis, Twilio, Postman, n8n, Jira, CBIS, ICS
- **Databases:** MySQL, PostgreSQL, VectorDB
- **Concepts:** OOP, REST APIs, Microservices, CI/CD, Basic System Design

Education

JCT College of Engineering and Technology 2021 – 2025
B.E. Computer Science and Engineering (CGPA: 8.3) *Tamil Nadu, India*
St. Joseph's Higher Secondary School 2020 – 2021
Mathematics, Physics, Chemistry (83%) *Tamil Nadu, India*