Sumith Kumar Emmadi

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Summary

Software Engineer based in India with over **1 year of experience** building **web, mobile, and voicebot applications**. Skilled in developing reliable, scalable software that solves real business problems, from **real-time voice systems** and **APIs** to user friendly **frontend interfaces**. Experienced in working with **cross functional teams and clients** to ship features from design to production.

Experience

Full Stack Developer, Chat360 – Pune, India Feb 2026 – Present

*Worked across three services: **Django** for the main backend, **Golang** for the **voicebot backend** and **Asterisk Rest Interface (ARI)**, and **FastAPI** for the voicebot service, handling **STT, LLM, and TTS** processing.*

- Built a daily scheduler for a lending client that pulls loan data from their **SFTP** server, validates the campaign file, converts currency amounts to words in multiple languages for accurate TTS, and launches voicebot call campaigns with retry logic.
- Extended the **Go** voice service to bridge the Python voicebot and the browser over **WebSockets** (it previously handled only **AudioSocket**) and also developed **frontend** for the same, adding live bot and user transcripts, so developers, testers, and clients can test voicebots on the web without SIP or a phone number, **cutting telephony costs**.
- Implemented **RAG** with **Qdrant** so voicebots answer from a customer's own knowledge base, then fixed retrieval bugs.
- Reduced voicebot response time by caching static-message audio in **Redis**, and added tracking of **LLM token usage and cost per interaction**.
- Built platform features including automated **Excel** reports of client sessions and campaigns, an **LLM as a judge** system for custom call metrics, **MCP** tool call logs, call disconnect reason tracking, and low-credit email alerts at three thresholds.
- Integrated **Sarvam**, **Cartesia**, and **Gemini** speech models (TTS and STT) into the voicebot to support Indian language voices.

Full Stack Developer Intern, C-Trace Soft Solutions Pvt Ltd – Hyderabad, India Jan 2024 – Jul 2024

- Built backend modules for **C-Trace**, a WhatsApp bot that lets law enforcement look up details linked to a phone number, including government ID information and social media accounts.
- Reverse-engineered the apps and APIs of caller ID services such as Truecaller, Eyecon, and GetContacts using **Mitmproxy** and **Frida**, and stored the collected data in the company database that powers the bot's lookups.
- Solo-built and launched **Call One**, an Android caller ID app, using **React Native** for the app and **Express.js** for the backend APIs, and handled design, development, and release. Reached **1,000+ users** at launch.

Projects

TruecallerJS – CLI package https://github.com/sumithemmadi/truecallerjs

- Built a npm package that fetches phone number details through Truecaller's unofficial API, with **310K+ npm downloads** and **860+ GitHub stars**.
- **Tools & Technologies:** Mitmproxy, Frida, Burp Suite, Android SDK, JavaScript, TypeScript, Node.js.

JSON to Plain Text – Utility library https://github.com/sumithemmadi/json-to-plain-text

- Built a JavaScript library that converts JSON objects into readable plain text for logging, debugging, and display, with **1.2M+ npm downloads** and **20 GitHub stars**.
- **Tools & Technologies:** JavaScript, TypeScript, Node.js, Jest.

Skills

Programming Languages: Python, Java, Go (Golang), JavaScript, TypeScript, Bash, SQL .

Backend & Frameworks: Django, FastAPI, Spring Boot, Express.js, Node.js, React, React Native.

Data & Tools: Redis, Qdrant, PostgreSQL, MongoDB, Mitmproxy, Frida, Burp Suite, Git.

Cloud & DevOps: Docker, AWS, GitHub Actions.

Education

Indian Institute of Information Technology Surat – Gujarat, India Dec 2020 – Dec 2024

- **Degree:** B.Tech in **Computer Science & Engineering** (CSE).
- **Coursework:** DSA, OS, DBMS, Computer Networks, Artificial Intelligence, Machine Learning, Cloud Computing.