



Sagar V

Senior Full Stack Developer

+91 9946 706 406 | sagarvd1995@gmail.com | sagarvd.me | github.com/sagarvd01

Summary

Senior Full Stack Developer with 9+ years of experience. At Vitara Charts I led the rewrite of the Property Editor into a platform-independent TypeScript codebase and co-led the company-wide JavaScript-to-TypeScript migration. Independently shipped Layerize.app (2000+ guest users and 250+ registered users) and built production agentic systems, including a voice AI assistant and an MCP-based support bot. Strong in **TypeScript, Angular, Node.js, PostgreSQL, GraphQL, GCP**, and modern AI tooling. Looking for a role with real architectural ownership.

Skills

Frontend: TypeScript, Angular, JavaScript, Tailwind

Backend & DB: Node.js, GraphQL, PostgreSQL, MongoDB, Firestore

Cloud: GCP, AWS

AI & Agents: OpenAI, Pinecone, Model Context Protocol (MCP), LLM APIs

Other: WebGPU/WASM, Flutter, Solidity, MicroStrategy & ThoughtSpot SDKs

Work Experience

Self Employed (Jul 2025 - Present)

- Built and shipped Layerize.app, a local-first tool that splits images and videos into depth and shape-based layers using WebGPU/WASM, with a custom shape separation model I trained on Kaggle. 2000+ guest users and 250+ registered users.
- Shipped **Gradual Alarm** (Android), a lightweight alarm that gradually transitions users from deep sleep to light sleep before waking them. 100+ users.
- Using modern AI-assisted development workflows (AntiGravity, Codex, Grok CLI, and Claude Code) to speed up iteration and improve code quality.

Vitara Charts - Senior Software Developer (Aug 2021 - May 2025)

Vitara Charts builds data visualization plugins for MicroStrategy, ThoughtSpot, and Power BI.

- Led the rewrite of the Property Editor from a tightly coupled MicroStrategy SDK JavaScript codebase into a fully platform-independent TypeScript system.
- Co-led the company-wide migration of the JavaScript codebase to TypeScript, improving long-term maintainability and reducing platform dependency.
- Built **Jarvis, a voice AI assistant** that lets users query and customize charts through natural language (OpenAI + Pinecone).

- Built a **customer support bot** using Model Context Protocol (MCP) that automatically scrapes product documentation, converts it to Markdown, and answers support queries.

Self Employed (Jan 2018 - Jul 2021)

- Worked independently as a Cyber Security analyst (bug bounty) and Full Stack Developer for international clients.
- Reported multiple valid vulnerabilities to Google, Facebook, and government websites, including CSRF, IDOR, SQL injection, permission bypass, and privilege escalation.
- Built and shipped full-stack applications for international clients, including Nammal Online (news platform) and Malayali Hub (business listing directory).
- Wrote technical blogs on cybersecurity.

Hakuna Matata Solutions Pvt Ltd - Associate Software Developer (Jan 2017 - Oct 2017)

- Started my professional career here and was trained on engineering best practices and Git workflows.
- Built Angular-based interactive games that ran on kiosk machines for a children's park.
- Contributed to a drag-and-drop website builder that let users design pages and export them as webpages.

Education

Bachelor of Engineering (BE) in Computer Science & Engineering

JCT College of Engineering & Technology, Coimbatore | 2013 - 2017

Affiliated to Anna University, Chennai

Key Projects

- **Layerize (2026)**

Local-first tool that splits images and videos into depth and shape-based layers using WebGPU/WASM. Includes a custom shape separation model I trained on Kaggle. 2000+ guest users and 250+ registered users.

- **Jarvis (2025)**

Voice AI assistant for Vitara Charts that lets users query and customize charts using natural language. Built with OpenAI + Pinecone.

- **Customer Support Bot (2025)**

Agentic support system that automatically scrapes product documentation, converts it to Markdown, and answers queries using Model Context Protocol (MCP).

- **Shardeum Faucet (2023)**

Telegram-based crypto faucet bot for the Shardeum chain. Later adopted as the official testnet faucet.

- **Nammal Online (2020)**

Full news platform and admin panel built from scratch for an international client using the FEAN stack.