

PRAVEEN N MALAGUDI

Frontend Developer

☎ +91-6360286260 ✉ praveenmalagudi@gmail.com 🔗 [linkedin.com/in/praveen-malagudi](https://www.linkedin.com/in/praveen-malagudi) 🌐 [portfolio](#)

Technical Skills

Programming Languages: Javascript, TypeScript, c++,python

Frontend: HTML, CSS, Tailwind CSS, React.js, Next.js, Redux, RTK Query, GraphQL, React Query,Tauri, Axios, Three.js, Fabric.js, Shadcn, Material ui, Bootstrap

Backend Technologies: Node.js, Express.js, MongoDB, Strapi

Tools and services:Docker, Git, 11ty, Firebase, Stripe, Playwright

Experience

Codemonk

Software Engineer

july 2023 – Present

Bengaluru, Karnataka

Kawada | Point cloud editor

- Engineered a high-performance 3D point cloud visualization web platform **handling large-scale datasets (more than 50 million points)** with dynamic LOD optimization
- Developed chunk-based point cloud management system reducing **GPU memory consumption by 45%** while maintaining visual quality.
- Built interactive features including real-time cross-section analysis and transparency controls for enhanced data exploration.
- Implemented **optimized PLY file processing with 50% faster loading times and 40% reduced memory footprint** for industrial datasets.

Athena | Startup Registration and mentoring and providing guidance to obtain funding Platform

- Led the development of **mobile-responsive web application** enabling startup founders to register company and submit challenges and get help by the mentors and manage documents.
- Implemented a **multi-role system with role-switching** for founders, mentors, startup support and admins.
- Added features for profile photo cropping, enhancing UI personalization.
- Integrated upload and viewing functionality for product images and documents, improving workflows.
- Collaborated with clients** for requirement gathering, ensuring timely delivery.

Kawada | Video Analysis Platform

- Developed a platform for uploading and previewing recorded videos and live HLS streams, with video trimming functionality.
- Added annotation features for both recorded and streaming videos using **Fabric.js** to draw, edit, and delete shapes.
- Implemented thumbnail generation by partially loading recorded videos and streaming previews through HLS.
- Added **Apache Echarts** for better visualization analyzed data

Bugsnap | Internal Tool for Streamlining Bug Reporting

- Developed an internal tool to streamline bug reporting for testers by integrating script directly into the HTML page of the testing website.
- Implemented a **Jira-integrated interface** that allows testers to report issues, add descriptions via a rich text editor, and assign tickets directly to team members.
- Added features for capturing screenshots, annotating them, recording screen activity, and uploading multiple files directly from the tool.
- Enabled testers to set task priorities and edit tickets, reducing the need to switch between multiple tools and improving productivity.
- Significantly reduced testing and reporting time while improving the quality and efficiency of project deliveries.

Chrome Extension | Workflow Assistance Tool

- Developed a **Chrome extension** guiding users through website tasks with Digital Adoption Platform (DAP).
- Highlighted steps on the website using interactive spotlights from walktour package to enhance user experience.
- Simplified complex workflows, improving task completion rates.
- Reduced navigation issues with real-time prompts and task-specific hints.

Education

Ms Ramaiah Institute of Technology

BE

Aug 2019 – May 2023

Banagalore