Mohammed Safwan

Software Developer | Rust & Backend Systems

Mangalore, Karnataka, India | +91 9380802297 | itzmesafwan1@gmail.com
github.com/MohammedSafwan10 | linkedin.com/in/mohammed-safwan10 | iamsafwan.me

Software developer focused on Rust backend services, desktop apps and developer tools. Built and released Sweep and ClipFlow, and developing the Rust backend for Karavali One. Also delivers web and mobile applications for clients.

TECHNICAL SKILLS

Rust & Backend: Rust, Tokio, Axum, SQLx, Serde, REST APIs, PostgreSQL, SQLite, PostGIS

Desktop & Tools: Tauri, egui, Clap, Rayon, FFmpeg, Cargo, Clippy

Web & Mobile: TypeScript, React, SvelteKit, Flutter, Firebase

Development: Git, GitHub Actions, Docker, Linux, automated testing

EXPERIENCE

Full-Stack Developer Nov 2025 - Present

Thumbeja Publicity | Mangalore

- Developing the Rust backend for Karavali One, an app for discovering local businesses and offers, using Axum, Tokio and PostgreSQL/PostGIS.
- Added ranked search, location and category filters, pagination and backend tests.
- Built Bizz Companion, a planner and CRM app, and NoProxy, an HR app for attendance and leave, with Firebase backends and role-based access.

Freelance Software Developer Jan 2025 - Present

Self-employed | Remote

- Build web and mobile applications for clients, from requirements and development to testing and delivery.
- Integrate REST APIs and Firebase services, and maintain applications through client feedback and fixes.

SELECTED PROJECTS

Sweep | Disk Cleanup CLI GitHub

Rust, Rayon, Clap | Released

- Built a Rust CLI that helps developers reclaim disk space by finding build artifacts and caches, with parallel scans and cleanup previews.
- Added saved cleanup plans, file integrity checks and trash-based deletion to help prevent accidental data loss.

Lumeryn | Native Video Editor GitHub

Rust, egui, SQLite, FFmpeg | In development

- Building a native video editor for importing media, arranging clips and exporting videos, with a shared Rust backend for the desktop UI and CLI.
- Implemented project storage, undo/redo, background media imports and video exports with progress and cancellation.

ClipFlow | Desktop Media App GitHub

Rust, Tauri, Tokio, React | Released

- Built a Windows app for downloading video and audio, with a Rust backend for concurrent downloads, saved queues and pause/resume controls.
- Integrated yt-dlp and FFmpeg, managed background processes and added integrity checks for engine updates.

EDUCATION

Bachelor of Computer Applications (BCA) 2022 - 2025

St. Aloysius College, Mangalore

Languages: English, Hindi, Kannada, Beary