Alvin de Mesa

Full-stack developer / Desktop and web products

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PROFILE

Full-stack developer who designs and ships focused desktop applications and web tools. Experienced with native Windows utilities, offline-first products, content platforms, and recruitment systems. Prioritizes clear UX, reliable performance, and practical architecture.

SELECTED PROJECTS

Warp

Svelte 5 / Rust / Tauri 2

A compact Windows interface for high-speed file copy, move, and synchronization using robocopy, with live progress, speed, queues, verification, presets, and cancellation.

Render-md

React 19 / CodeMirror / PWA

An offline Markdown workspace with live preview, ten layouts, version history, Mermaid diagrams, Gist synchronization, templates, and local-first persistence.

Omni

Svelte / Rust / Tauri

A fast native file search tool for Windows with breadth-first scanning, glob and regular-expression matching, filters, sorting, and Explorer integration.

TRC-LU Careers

React / Cloudflare / Neon / R2

A recruitment portal covering job publication, multi-step applications, documentary review, exam scheduling, and hiring workflow.

TECHNICAL CAPABILITIES

Frontend	TypeScript, JavaScript, React, Svelte, Next.js, Astro, Tailwind CSS, accessible responsive UI
Backend	PHP, Laravel, Node.js, Rust, REST APIs, authentication, serverless functions
Data	PostgreSQL, MySQL, SQLite, Neon, Supabase, local-first persistence
Platforms	Tauri, Cloudflare Pages and Workers, R2, PWA, Git, Vite

WORKING PRINCIPLES

01 Choose the smallest architecture that solves the real problem.	02 Make long-running operations clear, cancellable, and recoverable.
03 Build responsive, keyboard-friendly interfaces from the beginning.	04 Treat performance, privacy, and error states as product features.