

MANSHOOR AHMAD SIDDIQUI · PROJECT PORTFOLIO

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github.com/manshoor | manshoor.github.io/projects.html

Companion to my CV. Leading engineering teams since Nov 2019; currently leading 5 engineers on 10+ SaaS products used by 5,000+ customers. Generative AI in production since 2022: LLM agents, agentic workflows and multi-agent orchestration. Screenshots and demos: manshoor.github.io/projects.html.

AI AND VIDEO PLATFORMS (STRATEGIC MARKETERS / REAL STRATEGIC, INC., USA, REMOTE)

AI video creation platform | Senior developer · technical lead responsibilities since Nov 2019 · 2017-present

Technical lead for Adviddy and its successor ViralVidz: a template and AI video builder used by agencies, producing 2,000–2,800 renders a month; AI script, image and audio generation in production since 2022. Cut render time from 20–30 minutes to about 3 minutes on a GPU server and reduced server load. Led the render-pipeline redesign connecting the PHP builder to the new React editor (Remotion on AWS Lambda): durable, retryable dispatch and ready callbacks; render watchdog and guarded recovery. Led the team that built S3 to CDN delivery, voice cloning and AI voiceover routing, and usage-based credit billing with audit reports.

Stack: PHP, JavaScript, MySQL, AWS S3 / CloudFront, FFmpeg, Sentry

Links: my.viralvidz.ai/login · my.adviddy.com/login (previous version)

React video editor | Technical lead responsibilities · 2025-present

Web video editor with AI-generated content, music, voiceovers and overlays, rendered serverlessly; added Lambda render reporting.

Stack: Next.js, React, TypeScript, Remotion (Lambda, Player, Renderer), BullMQ, Redis, Sentry

Links: Video rendered by the editor: d36dnpqyqi3e4p2.cloudfront.net

AI content creation platform | Technical lead, internal team · 2025-present

Chat-driven platform where a business builds labs: canvases that turn a brand profile, reference videos and chats into studios for social posts, images, AI avatar videos, slides, mind maps and sites; Workflow Studio with triggers, routers and 20+ integrations; a social calendar auto-publishing to five networks; ALYX, an analytics agent. Led the internal team's AI quality work: a 718-prompt versioned registry with drift checks before merge, Planner / Builder LLM contracts, golden datasets, LLM-as-judge scoring, regression suites gating prompt releases, Langfuse observability, and the calendar model evaluation with no-go criteria fixed before any paid run, seeded defects and cost metering.

Stack: LangChain, LangGraph, OpenAI, Claude, Gemini, fal.ai, Qdrant (RAG), RabbitMQ, Langfuse, React, Supabase, S3

Links: my.idealab.ai · Sample video made in IdeoLab: www.youtube.com/shorts/LAXEhuVliiM

Agentic video creation prototype | Contributor · 2026

Conversational orchestrator that routes a user's chat to specialised sub-agents (content, talent, assets) returning structured JSON rendered as dynamic forms, producing a scene blueprint for rendering.

Stack: TypeScript, WebSockets, multi-agent orchestration, MySQL job queue

Ad frame generation service | Hardening and test suite · 2025

Browser-automation service that renders waveform animations and ad frames for video ads, hardened for security and throughput.

Stack: Node.js, Express, Puppeteer, Sentry, Vitest

Marketing SaaS suite | Senior developer · technical lead responsibilities since Nov 2019 · 2016-present

Products used by 5,000+ customers: ad and banner builders, reputation reports and review covers, Bright Social (social media management), Easy Content Engine, funnel maps, landing pages and white-label hosting on custom domains; with an external team, 2 lead-generation platforms and an n8n-style automation hub.

Stack: PHP (CodeIgniter, Laravel), JavaScript, Vue, MySQL, Redis, Stripe, Playwright / Puppeteer, OpenAI

Links: my.easysaiengine.com · my.brightsocial.com · app.localanalyzer.com · Sample report: repgrader.com · my.funnelpages.com ·

Public sample site: 13125000.funnelpages.com

UAE PRODUCTS AND CLIENTS

AutoBay (autobay.io) | Own product · TuringEdge · pre-launch · 2026

Multi-tenant SaaS ERP for UAE / GCC automotive workshops and heavy equipment: jobs, parts, vendors, invoicing, accounting, banking, HR, attendance, customer portal, white-label, WhatsApp notifications and an AI add-on. Arabic RTL from day one. 25 modules, 120+ tenant tables isolated with PostgreSQL row-level security, 280+ automated test files, release gates and backup checks.

Stack: Next.js, Express, TypeScript, Drizzle, PostgreSQL 16, Redis, BullMQ, Stripe Connect, WhatsApp API, Prometheus, Docker

Links: autobay.io

Sky Land Construction ERP | Lead consultant · TuringEdge client · 2026

Existing Odoo 17 ERP of a UAE construction contractor (40+ custom modules: job costing, progress and retention billing, post-dated cheques). Lead a developer extending it with WBS and BOQ sync, variations, subcontract labour, UAE payroll and compliance, and biometric and geo-fenced attendance. Added custom CRM stages and a Gantt timeline, and redesigned the quotation PDF's price chart.

Stack: Odoo 17, Python, OWL, QWeb, PostgreSQL, Docker

Sky Land and Green Light Group websites | Lead consultant · TuringEdge client · 2026

Built Sky Land's React marketing site (skylandconstruction.com) with an in-app, WordPress-style CMS, so staff manage projects, categories, page content and media without code changes. Also built the Green Light Group website (greenlight-group.ae).

Stack: React, React Router, Supabase, Google Maps

AI social media marketing SaaS | Co-lead · Digix Systems · 2026

New AI-assisted social media marketing SaaS: business-scoped accounts, content creation, scheduling and publishing, engagement, analytics, landing pages and leads, QR codes, agency discovery and billing. Co-leading the product with the Digix team and building its video module.

Stack: Laravel 11, Sanctum, Redis, queued jobs and schedulers, React, MUI, TanStack Query, Zustand, i18next with Arabic RTL

UAE client apps (Digix Systems) | Consultant · 2024-present

Ajman Chamber of Commerce and Industry iOS app; Takaful Customer Care Android app (policies and claims); Tashfa Analytics (healthcare, Android); IBS Maintenance and IBS Manager iOS apps; HVM Viqa Investment site.

Stack: iOS, Android, web, REST APIs

DEVELOPER TOOLS AND MACOS APPS (OWN; GITHUB.COM/MANSHOOR, MENUBARPILOT PRIVATE)

Multi-agent development workflow | Daily practice · 2026

Day-to-day development as an orchestrated set of coding agents: an orchestrator that plans and delegates, a reviewer, a judge that scores outputs, a QA agent that runs the tests and a UI agent.

Stack: Claude Code, Codex, Cursor, Pi, Hermes, DeepSeek, Ollama, LM Studio, MCP

Prompter | 2026

macOS app that turns selected code and a spoken request into a polished AI prompt, triggered by a hotkey. Local-first storage, keys in macOS Keychain.

Stack: Tauri 2, Rust, React, TypeScript, SQLite, Whisper (local whisper-rs or OpenAI), Claude / OpenAI

Video Context | 2026

macOS app and local MCP server that turns recordings into a timestamped transcript, OCR'd screenshots and an evidence-linked coding brief for Claude Code, Codex and Cursor. Read-only by default.

Stack: Swift 6, Apple Vision, Whisper, yt-dlp, FFmpeg, MCP (stdio)

MenuBarPilot | 2026

Clean-room macOS menu-bar organiser using only public APIs; privacy-first, no telemetry.

Stack: Swift, AppKit, SwiftUI, Accessibility APIs

Proposal Automator | 2026

Chrome extension, API and dashboard that vets freelance jobs, matches portfolio items and drafts tailored proposals, with analytics.

Stack: TypeScript, Chrome Extensions, Express, Next.js, PostgreSQL, BullMQ, Claude, OpenAI

ElevenLabs MCP server | 2025

Model Context Protocol server exposing ElevenLabs text-to-speech to AI assistants.

Stack: Node.js, MCP, ElevenLabs API, Docker

TuringEdge studio website | In development · 2026

Studio site with encrypted database, queued contact emails, rate limiting and CI-gated auto-deploys with visual regression tests.

Stack: Next.js 16, TypeScript, encrypted SQLite, Redis, BullMQ, Caddy, Playwright, Vitest

Screenshot and GIF API | 2021-2025

Self-hosted API that captures website screenshots and animated GIFs on demand with a job queue.

Stack: Node.js, Express, Puppeteer, Playwright, Redis, Bull, Docker