ARUN KUMAR

Senior Freelance Full-Stack, Mobile & Systems Engineer (9+ Years Experience)

Karur, Tamil Nadu, India | Remote Worldwide | Available for Contract, Milestone & White-Label Projects
Phone: +91 88700 08107 | Email: athiradiarun@yahoo.com | Portfolio: arunkumar-web.vercel.app
LinkedIn: linkedin.com/in/arun-kumar-web | GitHub: github.com/ATHIRADI

WHAT I SHIP END-TO-END

- **Multi-Tenant SaaS, CRMs & Portals:** Next.js 16, React 19, TypeScript, Node.js, Supabase / PostgreSQL RLS
- **Headless CMS & Fast Marketing Sites:** Payload CMS 3, Sanity v5, Astro 5, WordPress-to-Next.js Migrations
- **MERN/PERN Backends & Cloud Deployments:** Express.js, MongoDB, PostgreSQL (Prisma/Drizzle/Mongoose), AWS (EC2, S3), Microsoft Azure, Azure Entra SSO, Windows IIS & Reverse Proxy
- **High-Speed Data Migrations & ETL:** Custom 505 MB/s Go SQL/CSV/JSON Engine (50 GB+ legacy dumps, zero loss)
- **Mobile & Offline Desktop Apps:** Flutter 3.38 (5 live Google Play apps), Go + Wails v2, Electron 32 POS
- **Browser Extensions & Growth APIs:** Chrome Manifest V3 (Shadow DOM), WhatsApp Cloud API, Stripe, Razorpay, Meta CAPI

LIVE & VERIFIABLE PRODUCTION WORK

Pure Harvest Smart Farms (UAE) — Headless CMS Rebuild www.pureharvestfarms.com
Next.js 16, React 19, TypeScript, Payload CMS 3 (21 collections), PostgreSQL 18, AWS S3, Docker. Unified public ISR site and Payload admin in one codebase (250+ commits); S3 AVIF/WebP image optimizer + legacy URL compatibility proxy preserving 100% of search rankings.

Vigo Burj — Engineering Consultancy, Dubai UAE burjengineering.com
Next.js 16, React 19, TypeScript, Tailwind v4, Resend + React Email → Microsoft 365. Multi-category engineering service catalogue with Schema.org JSON-LD, sitemap, and `llms.txt` AI-search indexing.

Sales & WhatsApp Cloud API CRM (3,007 Automated Tests) Next.js 16 • Supabase PostgreSQL
89 routes and 119 SQL migrations: drag-and-drop Kanban pipeline, live 2-way WhatsApp Business Cloud API inbox, server-side PDF quotes, milestone billing, 7 analytics reports, and 450 dedicated Postgres RLS tests.

Multi-Tenant Enterprise Workflow & Entra SSO Platform Express 5 • React 19 • MongoDB
169 REST endpoints, 23 schemas, automated Docker container-per-tenant Control Plane with Caddy on-demand SSL, Microsoft Entra ID SAML 2.0 + PKCE SSO, 50-col transactional Excel importer, and AI remediation drafting.

505 MB/s Go Data Engine & 708-Test Offline Desktop POS Suite Go 1.27 • Wails v2 • Electron 32
Memory-mapped Go engine converting 50 GB+ MySQL/Postgres dumps under 2.3 GB RAM; offline-first GST Retail POS (Go + Wails, 708 tests) and CoffeeShop POS (Electron 32 + Drizzle) with ESC/POS thermal receipt printing.

Five Apps Live on Google Play + Matrimony Web/Mobile Suite Flutter 3.38 • Dart • Supabase
Live on Play Store: QR Studio, Invoice Maker, Document Scanner (Google ML Kit OCR), Habit Tracker, and WP Theme Detector—plus Gounder Thirumanam (80-route Next.js web + 18-screen Flutter mobile app).

Lead Capture Chrome Extension (Manifest V3) & Coaching Funnels Shadow DOM • Sanity v5 • Meta CAPI
3-surface MV3 extension (side panel, split dashboard, Shadow-DOM toolbar) with network interception, offline webhook retry queue & 35-field XLSX export; Sanity v5 + Razorpay HMAC + Meta CAPI webinar funnel engine.

TECHNICAL STACK

Frontend: React 19, Next.js 16 (App Router), Astro 5, TypeScript, Tailwind CSS v4, shadcn/ui, TanStack Query/Table, Zod
Backend: Node.js, Express 5, Go (Golang 1.27), Payload CMS 3, Sanity v5, Laravel 12, PHP 8.x, REST APIs, WebSockets
Mobile & Desktop: Flutter 3.38, Dart, sqflite, Google ML Kit, Wails v2, Electron 32, Chrome Extensions (MV3)
Data & Cloud: PostgreSQL, Supabase (RLS), MongoDB, SQLite, MySQL, Drizzle, Prisma, AWS S3, Cloudflare Workers, Vercel, Docker

EXPERIENCE & ENGAGEMENT TERMS (9+ YEARS: 2017 – 2026)

Founding Member & CTO, Redpulse Software LLP (Feb 2025 – Present) — Architecture, CI/QA & global client builds (UAE, AU, UK, IN).
Independent Mobile & Full-Stack Consultant (Jun 2020 – Jan 2025) — 5 yrs direct delivery in MERN/Next.js (2023–25) & Flutter (2020–23).
PHP & Web Developer, AJ Infoteck & Seyali (Aug 2017 – May 2020) — 3 yrs PHP, MySQL, WordPress & custom web portals.

How I Work: Direct senior communication (no middleman) • IST timezone with UAE, UK/EU, AU & US overlap • Fixed-price milestones, monthly retainers, or hourly contracts • Automated tests & full code ownership on handover.
Education: B.C.A., Bharathidasan University (2016) | MERN Full-Stack Program, LIVEWIRE (2022) | Web & PHP, NIIT (2017)