

Arjun Venugopal

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PROFESSIONAL SUMMARY

High-agency Full-Stack Developer and Technical Operations specialist with a background in Mechanical Engineering. Performance-obsessed engineer specializing in building high-speed, scalable SaaS ecosystems and business automation tools. Proven track record of rapid career progression, from technical drafting to managing total company operations in high-pressure UAE industrial sectors. Expert in modernizing legacy web systems by prioritizing speed, maintainability, and hardware-software integration over visual bloat.

EXPERIENCE

Freelance Software Developer

April 2025 – Present

Self Employed

Kanhangad, Kerala

- Engineered and deployed custom CRMs, service center management systems, and purchase trackers featuring integrated PDF report generation and localized tax calculation modules.
- Successfully migrated multiple clients from bloated WordPress ecosystems to high-performance stacks using Next.js, Hugo, and Decap CMS to maximize PageSpeed Insight scores.
- Managed application infrastructure across diverse environments including serverless platforms like Vercel and Cloudflare Pages, as well as high-performance VPS and shared hosting.
- Strategized local business growth through Google Maps/GMB optimization and integrated custom WhatsApp APIs and analytics to streamline client-customer communication pipelines.
- Applied Laravel as a primary productivity driver for full-stack applications while maintaining expertise in Unity for physics-based game development and interactive simulations.

Technical Operations Lead & Project Coordinator

February 2021 – April 2025

Friends Steel & Aluminium Works LLC

Abu Dhabi, UAE

- Accelerated from Structural Draftsman to lead company operations within 24 months, acting as the central hub for multi-sector industrial project execution and delivery.
- Coordinated high-stakes projects for the telecom sector, alongside construction, potable water/sewage pipelines, and both offshore and onshore energy installations.
- Managed production, procurement, and site teams under extreme environmental and timeline pressures to ensure project profitability and technical compliance.
- Balanced leadership responsibilities with hands-on AutoCAD drafting for structural designs and cost estimations to bridge the gap between design and manufacturability.

Technical Trainee

May 2018 – May 2019

John Deere India Private Limited

Pune, Maharashtra

- Operated on tractor console assembly lines using lean manufacturing principles like 5S and 5 Whys to minimize downtime and ensure international quality standards.
- Developed a foundation in industrial discipline and cross-functional teamwork within a high-volume manufacturing environment while adhering to strict production timelines.

PROJECTS

NuePage - Phygital SaaS & Content Management Platform [nuepage.in] | *Laravel, MySQL, Livewire*

- Architected a multi-tenant SaaS platform enabling diverse users to deploy high-performance digital profiles with custom subdomains and dynamic content routing.
- Launched a physical hardware line of QR/NFC-enabled stands, cards, and keychains with full lifecycle management from software integration to physical sourcing.
- Developed specialized modules for freelancers and SMBs including WhatsApp-integrated catalogs, event management tools, and an integrated pet-tracking system.
- Integrated social media aggregation and Google Review boosting tools into a centralized hub to streamline digital presence for small businesses through a single link.

SwiftCRM - Advanced Business Management System | *Laravel, Filament, MySQL*

- Engineered a comprehensive CRM and business tracking tool designed to transition clients from manual paper and Excel-based systems to digital workflows.
- Implemented robust modules for sales tracking, customer enquiry management, invoicing, and professional quotation generation tailored to specific client needs.
- Developed automated report generation and data visualization tools to provide actionable business insights and improve operational transparency.
- Customized the platform for various industries, ensuring high maintainability and performance compared to traditional off-the-shelf management software.

Tap Rush - Retro Arcade Car Game [Itch.io] | *Unity, C#*

- Developed a 2D pixel-art arcade racer featuring classic 8-bit music, responsive lane-switching mechanics, and an integrated scoring system.
- Optimized WebGL performance to ensure seamless cross-platform playability on both mobile and desktop browsers with tailored input handling.

EDUCATION

Swami Nithyananda Polytechnic College

Diploma in Mechanical Engineering

Kanhangad, Kerala

July 2015 – May 2018

Govt Higher Secondary School, Balla East

Higher Secondary Education (Plus Two)

Kanhangad, Kerala

July 2013 – March 2015

Govt Higher Secondary School, Thayannur

High School Education (SSLC)

Thayannur, Kerala

March 2013

TECHNICAL SKILLS

Core Languages: PHP (Laravel/Eloquent), Python (Django/Flask), C#, JavaScript (Next.js/React), SQL

Frameworks & Ecosystems: Laravel (Filament/Livewire), Next.js, Hugo, Express.js, Decap/Sveltia CMS

DevOps & Infrastructure: Vercel, Cloudflare Workers/Pages, VPS, Git, Linux, AutoCAD, API Integration

Performance & Growth: PageSpeed Optimization, Local SEO (GMB), Google Analytics, WhatsApp API

Industrial Engineering: Lean Manufacturing (5S/5 Whys), Structural Drafting, Logistics & Sourcing