David Barnabhas

Senior Design Engineer

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PROFESSIONAL SUMMARY

Design engineer with 9+ years of experience designing and building digital products end to end, from UX research and UI design to full-stack development and deployment. Combines deep UI/UX, design systems and brand expertise with hands-on development in HTML, CSS, JavaScript, Node.js, Fastify, PostgreSQL and Supabase. For the past 2+ years, has used AI-assisted development (Claude Code, OpenAI GPT, DeepSeek) and MCP integrations with Adobe tools to ship custom CMS platforms, business software and client websites from scratch. Experienced across healthcare technology, aerospace and defence media, and small business clients.

CORE SKILLS

UI/UX Design: User Research, Usability Testing, Wireframing, Interactive Prototyping, User Flows, Information Architecture, Design Systems, Responsive and Mobile-First Design, User-Centered Design

Frontend Development: HTML5, CSS3, JavaScript, Responsive Web Development, WordPress, Elementor, PHP; currently building with Next.js, TypeScript and Tailwind CSS

Backend and Data: Node.js, Fastify, REST APIs, Prisma, PostgreSQL, Supabase, Database Design, CMS Development, Payment Gateway Integration (Razorpay)

AI Tools: Claude Code, OpenAI GPT, DeepSeek, MCP (Model Context Protocol), Adobe CC AI Integration, AI-Assisted Development, Prompt Engineering, AI Workflow Automation

Design Tools: Figma, Adobe XD, Sketch, Miro, Adobe Photoshop, Illustrator, InDesign, Premiere Pro, After Effects

DevOps and Platforms: Git, GitHub, Vercel, Railway, Hostinger, DreamHost, Cloudflare CDN, Web Performance Optimization

PROFESSIONAL EXPERIENCE

Senior Designer & Developer **10/2024 – Present**

Aerosun Media, Bengaluru (Joint Forces Online, Arabian Defence, Advantage Karnataka)

- Architecting and building a custom CMS for jointforcesonline.com: a Fastify/Node.js REST API with Prisma and Supabase (PostgreSQL), replacing WordPress with a purpose-built publishing platform.
- Connected the site frontend to the live API with real database integration and defined a six-phase product roadmap covering admin panel, authentication and content migration.
- Redesigned arabiandefence.com, leading a full theme migration and performance optimization with 4 tools (WP Super Cache, Autoptimize, Cloudflare CDN, ShortPixel), plus custom PHP components and mobile navigation fixes.
- Revamped advantagekarnataka.com with an updated UI and responsive layout.
- Connected AI models to Adobe Creative Cloud tools through MCP (Model Context Protocol), automating design, image editing and document workflows and delivering production work up to 10x faster.
- Automated magazine production in Adobe InDesign with ExtendScript, generating exhibitor profiles for Egypt Air Show 2026.
- Produced print magazines and marketing collateral for 3 aerospace and defence publications (Arabian Defence, Joint Forces Online, Aeromag Asia).

Founder, Design Engineer (Freelance) **2024 – Present**

Delevi Design, Bengaluru (delevidesign.com)

- Built delevidesign.com as a client acquisition platform that generates paying web, branding and software projects.
- Developed ecostemgroup.com, including a custom product purchasing UI and Razorpay checkout flow delivered across 2 phases, and set up 4 social channels (Instagram, LinkedIn, WhatsApp Business, YouTube).
- Built a full billing software application from scratch covering 3 core modules (billing, inventory and stock management), now live and in daily use.
- Launched multiple church and ministry websites, managing hosting, deployment and ongoing support.
- Delivered live projects for 6+ clients across sustainability, real estate, healthcare and non-profit sectors as a solo designer-developer, using 3 AI models (Claude Code, GPT, DeepSeek) to speed up full-stack delivery.

UX/UI Designer **10/2022 – 09/2024**

Triquetra Healthcare Technology Pvt Ltd, Bengaluru

- Led the launch of a laboratory portal that improved doctor workflow efficiency by 40% and reduced administrative overhead by 25%.
- Streamlined patient record management through a laboratory portal, cutting doctor documentation time by 50% and improving accuracy.

- Created a user-centric home phlebotomy service app, increasing adoption through on-demand access to blood tests.
- Introduced mental health assessment tools for psychiatrists, improving diagnostic accuracy within a regulated EHR system.

UX/UI Designer **07/2016 – 05/2022**
Aeromag Asia Pvt Ltd, Bengaluru

- Delivered user-friendly websites that increased brand engagement by 80%.
- Directed end-to-end mobile app production, including UX/UI design and animation.
- Crafted magazine layouts, print and digital marketing assets, working with editorial, sales and management teams over 6 years.

EDUCATION

Automobile Engineering **07/2008 – 05/2012**
KMG College of Education

CERTIFICATIONS

Google UX Design Professional Certificate – Coursera (Google), 2018

LANGUAGES

English (Fluent)