ARUN KARTHIK .N

Product Designer | UI/UX | Frontend Engineering | AI-Assisted Product Developer

Chennai | +91 89396 85453 | arunkarthik.n.dev@gmail.com | LinkedIn | GitHub | Portfolio

SUMMARY

UI/UX Developer specializing in frontend engineering and product design, with **3+ years of experience** designing and delivering production-ready digital products. Experienced in translating feature requirements into user flows, wireframes, prototypes, and design systems, then implementing interfaces using Angular, TypeScript, and React with REST API. Specialized in real-time monitoring dashboards, analytics, and device and fleet management consoles for enterprise IIoT (Industrial Internet of Things) platforms. Proficient in AI-assisted development to streamline prototyping and delivery workflows. Experienced in managing the product development lifecycle, from **Figma** designs to translating design rationale into CX aligned with product and business objectives.

CORE COMPETENCIES

Product Design | UI/UX Design |Figma | User Flows | Wireframing | Prototyping | Interaction Design | Design Systems | Responsive Web Design | Component Libraries | Frontend Engineering | React | Angular | TypeScript | WordPress Development | Data Visualization |Generative & Agentic AI

PROFESSIONAL EXPERIENCE

UI/UX Developer— (Frontend)

April 2023 – May 2026

Niraltek Solutions Private Limited– IIoT Solutions for energy management and automation — Chennai, India

- Owned end-to-end product design for enterprise and IIoT web products, gathering requirements with product and operations stakeholders, mapping user flows and delivering wireframes, interactive prototypes and responsive, production-ready interfaces.
- Established and maintained a **reusable design system** comprising components, layout rules, and interaction patterns, standardizing dashboards, device-management interfaces, analytics views, and design workflows across new modules.
- Engineered interfaces using **Angular, TypeScript**, SCSS, and modern **JavaScript**, applying **React** for component-driven development and reducing design-to-development handoff gaps by owning both design and implementation.
- Built real-time analytics and monitoring visualizations using **Chart.js**, **NgX-Charts**, and **PrimeNG**, translating industrial telemetry into actionable views for non-technical operators.
- Introduced AI-assisted development workflows using **Claude, Cursor** and **Bolt.new** with structured prompt engineering to support UI scaffolding, refactoring, and documentation and streamline prototype turnaround.

Document Specialist

Jun 2022 - Jan 2023

RR Donnelley Go Creative (BCG)– Global Marketing Solutions Provider — Chennai, India

- Designed consulting presentation decks, business reports and technical documents for global enterprise clients, applying grid systems, typographic hierarchy and strict brand compliance.
- Restructured dense business and financial content into clear visual narratives — the discipline now used to argue documentation design decisions to clients.
- Delivered client-ready documents under short turnaround windows while holding formatting accuracy and quality standards across high-volume requests.

PROJECTS

DevsBot — IIoT Smart Energy & Device Monitoring Platform

April 2023 – May 2026

SaaS - UX/UI · Angular · TypeScript · Chart.js Node.js · REST APIs · Web Sockets · MySQL

- **Design**: Ran product design end to end — user flows for monitoring, configuration and alerting; wireframes and prototypes reviewed with operations users; a grid-based dashboard system that stayed legible at high data density on desktop and tablet.
- **Development**: Designed and implemented energy and performance analytics views with Chart.js, NgX-Charts and PrimeNG, including drill-down from fleet overview to individual device history.
- **Deployment**: Containerized and deployed the application on AWS EC2 and on-premise Linux servers, accessing and managing Linux virtual machines through SSH/PuTTY and maintaining deployments from a single codebase.

Websites

April 2023 – May 2026

HTML5 · CSS3 · JavaScript · WordPress · CSS Media Queries · Mobile Responsive · SEO

- Designed and hand-coded responsive marketing websites and **landing pages** in **HTML5, CSS3 and JavaScript**, built mobile-first with **CSS media queries, Grid & Flex** and Fluid layouts that adapt cleanly across mobile, tablet, laptop and large-desktop breakpoints.
- Built and customised **WordPress** sites covering both static brochure pages and dynamic, content-managed pages — theme customisation, reusable page templates, plugin configuration and client-editable content structures handed over.

TECHNICAL SKILLS

- **Product Design:** UI/UX Design, User Flows, Wireframing, Prototyping, Interaction Design, Design Systems, Component Libraries, Responsive & Adaptive UI, Multi-Device Layouts, Information Architecture, Schematic Architecture Diagrams
- **Design Tools:** Figma, Adobe XD, Adobe Illustrator, Adobe Photoshop, Canva.
- **Languages & Web Technologies:** TypeScript, JavaScript (ES6+), SQL, PHP, HTML5, CSS3, SCSS.
- **Frontend Engineering:** React, Angular, RxJS, Component Architecture, State Management, Bootstrap, PrimeNG, Responsive Web Design, CSS Media Queries, Flexbox & CSS Grid, Mobile-First Development.
- **CMS & Web:** WordPress, Elementor, Theme Customisation, Static & Dynamic Pages, Landing Page Development, Semantic HTML, SEO-Friendly Markup, Cross-Browser Compatibility.
- **Backend & APIs:** Node.js, Express, REST API Design & Integration, WebSockets/Socket.io, Postman.
- **AI & AI-Assisted Dev:** Generative AI, Prompt Engineering, AI-Assisted Development, AI Prototyping, Claude, Cursor, Bolt.new, Copilot, Codex.
- **Databases & Data Viz:** MySQL, MongoDB, Chart.js, NgX-Charts, Analytics Dashboards, Real-Time Telemetry.
- **Cloud & Deployment:** Docker, AWS EC2, Linux (Ubuntu/Debian) virtual machines through SSH/PuTTY, Nginx, Apache, Git/GitHub, GitHub Actions, Jenkins, CI/CD Workflows.

EDUCATION

B.Sc. Computer Science (CGPA 7.29) 2018 - 2021

VELS Institute of Science, Technology and Advanced Studies (VISTAS), Chennai, India

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Passionate about designing and develop user-centric digital products. Fluent in English and open to domestic and international opportunities, including visa-sponsored roles across EMEA and GCC regions.