

Pamudi Dahanayake

SENIOR UI/UX ENGINEER

DESIGN SYSTEMS · ACCESSIBILITY · AI-ASSISTED DELIVERY · DESIGN-TO-CODE

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24

PRODUCTS DESIGNED

3

SYSTEMS FROM SCRATCH

8

YEARS IN INDUSTRY

8

PRODUCT TEAMS GUIDED

Profile

Building and owning design systems across enterprise client products. Token architecture, component libraries and prototypes in Figma and Adobe XD, each specified for the consuming framework: Flutter, React, Kendo UI, Ant Design. Accessibility built in from the first token. Equally at home in the codebase, implementing design changes directly with Cursor and Claude rather than waiting on a frontend handoff. MSc in Advanced Software Engineering, University of Westminster.

Experience

Senior UI/UX Engineer

Zone24x7 (Pvt) Ltd, Colombo

APR 2022 – PRESENT

Design system ownership. Owned three systems end to end from scratch (a precision agriculture app, a biometric photo-ID suite and a freight logistics cockpit), building every component, screen and prototype. Extended six more across banking, manufacturing, mining-site tooling, biometric identity and warehouse management, and contributed to an RFID inventory tracking system.

Product and UI/UX leadership. Line-managed three designers over the period, one at a time, and guided eight product teams through the full design-to-implementation lifecycle: UX direction during the requirements phase, sole ownership of the Figma source of truth, and hands-on support for developers through the build.

AI-augmented practice. Removed the dependency on dedicated frontend support by implementing design changes directly, and moved direction-setting earlier, wireframing and testing before committing to production. Currently via Cursor, Claude, Visily.ai, Builder.ai and Figma AI.

Design-to-development alignment. Specified each system for its target stack, from Flutter-ready components on the ag-tech app to React with Ant Design, Kendo UI and Material UI elsewhere, then implemented the styling directly. The work was measured on minimising rework and UI defects across every project touched.

Accessibility. Embedded WCAG colour-contrast and content-sizing standards into the ag-tech, photo-ID and banking systems from the first token, and ran a dedicated accessibility research pass for a consumer delivery platform.

Documentation. Wrote self-contained style guides inside the Figma files for ten products, covering component usage, tokens, spacing, type scale, colour and interaction patterns. New developers onboard from the design file itself.

UI Engineer

Zone24x7 (Pvt) Ltd, Colombo

SEP 2018 – APR 2022

Designed web, mobile and native product UI across ten products spanning warehouse robotics, cross-border e-commerce, retail logistics and emergency distribution.

Built mock-ups and production UI for a Fortune 500 retailer's shopping-intent detection system: traffic analytics, anomaly monitoring, loss prevention, store picker and configuration modules, alongside wayfinding map assets sliced into tiles for zoom levels 17 to 22.

Held the in-house design function across four departments before moving into product, more than a hundred marketing designs in all: brand, marketing, recruitment and event material, and the corporate website. It opened with six months inside the marketing department itself, September 2018 to March 2019, alongside the UI work.

Design systems	OWNED, FROM SCRATCH	Precision agriculture app	Figma → Flutter
		Photo-ID compliance app	Figma
		Freight logistics cockpit	Figma
	EXTENDED	Mining-site tool platform 4 modules	Figma → React, React Material, Sass
		Branch operations platform	Adobe XD → Kendo UI, React, Sass
		Manufacturing warehouse app	Figma → React, Ant Design, SCSS
		Warehouse management platform	Figma
		Photo-ID back-office	Figma
		Consumer banking app	Figma
	CONTRIBUTED	RFID inventory tracker	Figma → React, Material UI
	FURTHER ENGAGEMENTS	Consumer delivery platform	UX and accessibility research · Figma
		Salon management app	Usability and visual refinement
		Moisture-analysis reporting	Targeted fixes within PDF-library constraints
Toolkit	AI TOOLING	Cursor and Claude for frontend implementation · Visily.ai and Builder.ai for wireframing and ideation · Figma AI in-file · generative tooling for custom iconography	
	DESIGN	Figma · Adobe XD · InVision · Illustrator · Photoshop	
	DESIGN SYSTEMS	Tokens · component libraries · type scales · spacing and interaction specs	
	FRONTEND	React · Angular · React Native · JavaScript · Sass/SCSS · LESS; shipped UI across four client products	
	COMPONENT LIBRARIES	Material UI · Ant Design · Kendo UI · Angular Material · Bootstrap · NativeBase	
	ACCESSIBILITY	WCAG colour contrast · content sizing · readability, applied at token level	
	PRACTICE	Design thinking · UX research · requirements-phase consultation · implementation alignment · knowledge transfer	
Education	MSc in Advanced Software Engineering		IIT Colombo · University of Westminster
	BSc in Information Systems		University of Colombo School of Computing
	PROFESSIONAL TRAINING	Zone24x7 internal programmes. Agentic AI, 2025: agent workflows, prompt engineering and AI-assisted automation · Frontend Development, ongoing since 2024	
Community	MENTORING	2026	Mentor, IEEE Young Protégé 2026 : twelve weeks from June, guiding two mentees on industry practice and on improving user experience
		2022–26	Internal mentoring at Zone24x7: three direct reports over the period, one at a time, each taken through design reviews, skill-gap assessment and a curated learning path
		2025	Knowledge Partner, Young Protégé 2025 : guided a young professional through a full UI/UX project lifecycle
		2023	Knowledge-transfer sessions for two client project teams
	SPEAKING	2025	UX session and workshop for undergraduates, NSBM Green University
		2022	Speaker, RevolUX 2.0
		2020	Talk on UI/UX foundations plus an Adobe XD workshop, Creative Eye
	EVENT AND BRAND	2021–22	Designer and Treasurer, ClubZone at Zone24x7
		2021	Designer, IWM South Asia and Women Techmakers
		2019	Designer, DevFest Sri Lanka
	JUDGING PANELS	Codescape 2022 · ReidCon Ideathon and How Series 2021 · Creative Eye web design contest 2020 · Designathon 2018	
	COMPETITIONS	Zone AI Hackathon 2025	