Aliy Akhbar

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EXECUTIVE SUMMARY

UX Engineer specialising in React, Next.js, and TypeScript, with deep expertise in interaction design, motion, and component-driven UI architecture. Skilled at transforming product and design concepts into polished, responsive, and intuitive user experiences.

Strong background in building scalable interface systems, implementing animation and interaction patterns, and collaborating closely with designers to deliver design systems and pixel-perfect UI.

Capable of supporting light backend logic—REST APIs, authentication flows, and CMS integration—to deliver complete end-to-end features. Recognised for elevating usability, visual quality, and product cohesion through a blend of UX thinking and frontend engineering.

KEY SKILLS

Frontend	**Backend & Testing**	**Tools**
React / Nextjs	REST API Integration	Vercel
Typescript	Auth & RBAC	AWS (S3/CloudFront)
TailwindCSS	CMS Backend Logic	Git
Framer Motion	Jest / RTL / Playwright	CI/CD Basics
GSAP	PostgreSQL / SQLite / MongoDB	Figma
ThreeJS	Node.js / tRPC	Adobe Creative Cloud
	Drizzle ORM	

CORE COMPETENCIES

Frontend Engineering & UI Architecture

- Expertise in component-driven development, design systems, performance optimisation, responsive UI patterns, and scalable frontend architectures.

Full Stack Development

- Proficient in supporting backend logic including API design, data modelling, auth flows, and CMS workflows using Node.js, tRPC, Drizzle ORM, and modern databases.

Product & Platform Development

- Strong understanding of product thinking, UX principles, and the ability to translate requirements into high-quality user-facing features within business and technical constraints.

Quality, Reliability & Testing

- Competent with testing tools (Jest, RTL, Playwright) to improve reliability, prevent regressions, and support CI/CD workflows.

UI/UX Design & Interaction Design

- Skilled in layout, interaction patterns, visual hierarchy, prototyping, and motion principles to elevate usability and visual quality.

CAREER HISTORY

Hyperfuse Studio Pte Ltd, Singapore Feb 2023 – Nov 2025
UI/UX Frontend Engineer

- Built and maintained React/Next.js applications with a strong focus on UI architecture, component systems, and visual quality.
- Developed interaction patterns, motion design, and animations using Framer Motion and GSAP to enhance user experience.

- Collaborated closely with designers and product teams to deliver pixel-perfect interfaces and design system components.
- Supported backend workflows through REST APIs, auth flows, and CMS logic to enable complet end-to-end features.

Dec 2020 - Oct 2022

FirstCom Solutions Pte Ltd, Singapore
Fullstack Web Developer

- Built and enhanced client-facing web applications using React, Node.js, and REST APIs.
- Implemented backend features including authentication, content workflows, and dashboard logic.
  Improved UI responsiveness, accessibility, and performance across multiple client projects.
- Worked with designers and project managers to translate requirements into practical, maintainable solutions.

Plus65 Interactive, Singapore Jul 2019 - Nov 2020
Junior Front-End Developer

- Delivered responsive web interfaces using HTML, CSS, JavaScript, and React.
- Assisted in building reusable UI components and implementing layout and interaction requirements.
- Supported optimisation of web pages for performance and cross-device consistency.
- Collaborated with designers to translate visuals into production-ready UI.

A&C Atelier, Singapore Feb 2018 - May 2019
UI/UX Frontend Developer

- Designed and implemented UI layouts, prototypes, and interaction flows for client projects.
- Conducted user research, including **eye-tracking studies**, to validate design decisions and understand user attention and behaviour.
- Built responsive web pages and components, ensuring clarity, usability, and strong visual hierarchy.
- Led both the **design and frontend development** efforts, refining user journeys and interactions based on research insights.

EDUCATION QUALIFICATIONS

Nanyang Polytechnic - Specialist Diploma in UX Design & Management

Nanyang Polytechnic - Diploma in Interaction Design

ITE Central – NITEC in Interactive Media Design