

Talha Khan *Software Engineer*

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SUMMARY

Experienced in navigating the fast-paced demands of the **EdTech and FinTech** sectors. I recently concluded a key role at an **ex-FAANG-founded startup**, where I led software development initiatives and ensured timely delivery of scalable architecture. Known for a "Doer" mentality and an ownership-first approach, I am now available to contribute to the growth of a forward-thinking engineering team.

Tech Stack / Skills

Frontend: React, Next.js, TypeScript, JavaScript ES6+, HTML5, CSS3, SCSS/SASS, Redux, Material UI, Ant Design, Tailwind CSS, shadcn/ui, Figma, Responsive Design

Testing: Cypress (E2E), Jest, Accessibility Testing

AI Tools: Open AI API, n8n, RAG, Pinecone Vector DB, Claude Code, Codex, Figma Make, Ollama

Industry Knowledge: React Native (Expo), Microservices, System Design, REST APIs, Scrum, Agile Methodologies, Progressive Web Applications (PWA), Version Control (Git), Google Cloud Platform ADK.

Backend: Node.js, MongoDB

Work Experience

Designgurus LLC - www.designgurus.io 

06/2022 – 01/2026
Remote (Redmond, WA, US)

Senior Software Engineer (Front-end) | July 2023 – Jan 2026

- Led a cross-functional team of developers and a designer to orchestrate a major platform migration from **Next.js 12 to 14**, implementing **App Router** and modernizing the **React** component architecture to improve system maintainability.
- Engineered an **"Ask AI" teaching assistant** powered by **OpenAI GPT-4**, processing thousands of monthly queries with **streaming responses** and context-aware **Markdown rendering**, resulting in **92% user satisfaction**.
- Optimized the edtech platform achieving **99% uptime** and **95+ Lighthouse scores** through advanced **Next.js SSR/ISR, caching strategies**.
- Established a **Cypress E2E** testing framework achieving **80% coverage** for mission-critical UI flows, reducing production bugs by **65%** and preventing 100+ potential regressions.
- Built a high-performance **Admin Suite** featuring a **Course Composer**, **Articles Management** and **Affiliate Marketing Dashboards**, while driving a 40% increase in user retention through data-driven progress visualization.
- Built a creative dashboard for **AI Image Generation** using **Next.js**, **Shadcn/UI**, and **ComfyUI** integration.
- Accelerated design-to-development workflows by leveraging **Figma Make AI** to generate and iterate on **high-fidelity UI/UX designs**, reducing prototyping time while maintaining pixel-perfect visual standards.
- Conducted rigorous **code/PR reviews** and mentored junior engineers on **best practices**, and high-fidelity **Figma-to-Code** translations.
- Contributed to the **On-Call team** by providing rapid incident response and resolution, enhancing system reliability and uptime.

Founding Software Engineer | June 2022 – June 2023

First engineering hire for ex-FAANG-founded EdTech startup; delivered MVP from 0 to 1.


- Collaborated directly with the founders and spearheaded the end-to-end frontend architecture using **Next.js** and **Material UI (MUI)**, successfully shipping the production-ready **MVP in 4 months**.
- Architected and built the core **Interactive Course Player** with multiple layouts, integrating **Monaco Editor** for code execution, **Quizzes**, **Images**, **Excalidraw** for whiteboarding and a custom video component to serve thousands of students daily.
- Developed a comprehensive library of **50+ reusable React components**, implementing **responsive breakpoints**, and **dark mode**, which reduced feature development time by 40%.
- Built a **React Native (Expo)** mobile application for flashcard-based learning.

- Developed a custom **Puppeteer-based microservice** for automated **PDF Certificate generation**.
- Engineered proprietary API logic for hidden-document content, securing premium course materials for authorized users.
- Integrated **Sentry** for real-time error tracking and implemented **SEO-focused Page Schemas** to ensure maximum discoverability.

CreditPer Financial Services Limited - www.creditper.pk 
FinTech startup providing Shariah-compliant credit solutions

08/2020 – 05/2022 | Islamabad, Pakistan

Software Engineer

- Developed company's official website creditper.pk  using **Gatsby.js** static site generator achieving **90+ Lighthouse performance score**, Utilized Gatsby Image plugin, SCSS 7-1 Pattern; integrated **Google Analytics 4** and **Bitrix24 CRM** webhooks generating **500+ qualified monthly leads**, deployed on **Netlify** with Netlify CMS for daily blog posts.
- Built internal Retailer Portal using **React.js** and **Ant Design** serving 200+ retailers with dashboard analytics, CRUD operations via Axios **REST API integration**, **Flexbox** layouts with **CSS media queries** for **mobile responsiveness** reducing average processing time by 40%.
- Architected Careers Portal using **Next.js** with **SSR**, **Redux** state management, **SCSS** styling, **JWT/Bcrypt.js** authentication, **AWS S3** integration via Multer for file storage, **MongoDB** with Mongoose ODM for data persistence, Express.js for REST APIs.
- Delivered **Meezan Souq e-commerce platform** for Meezan Bank partnership using **React.js**, **Redux**, **Ant Design**, and **LESS** preprocessor; created wireframes with **Balsamiq**, implemented **mobile-responsive layouts** serving Pakistan's first Shariah-compliant digital marketplace.
- Built Meezan Souq Retailer Portal with **Material UI** using **React.js** and SCSS 7-1 Pattern, developed product variant features (size/color/price management), implemented mobile responsiveness enabling 150+ vendors to manage inventory efficiently.
- Engineered **CRM automation** system using **Node.js**, **Express.js**, **Sequelize ORM**, and **PostgreSQL** implementing **CRON jobs** for scheduled synchronization of **50,000+ customer records** to Bitrix24 CRM via webhooks **eliminating 80% of manual data entry work**.
- Developed automated **E-Contracting PDF generation** backend using **Node.js**, **Express.js**, html-pdf package creating legally-compliant Ijarah and Takaful contracts; built REST API endpoint processing customer data generating **1,000+ personalized PDFs monthly** with CSS-optimized templates.
- Collaborated with **Business Analysts** for requirements elicitation, **Marketing team** for analytics integration, and UI/UX best practices for translating wireframes to production-ready interfaces using modern **React.js patterns** (Hooks, Functional Components)

AI PORTFOLIO PROJECTS

01/2026 – Present

- **Lead Gen AI Agent:** Architected a RAG-based support agent utilizing **n8n**, **OpenAI**, and **Pinecone VectorDB** for intelligent, data-grounded customer interactions.
- **AI Job Accelerator:** Developed a full-stack dashboard using **OpenAI API** and custom **System Prompting** to automate tailored resume generation and application tracking.

FREELANCE PROJECTS

03/2020 – 12/2021

Autodesk Construction Cloud Frontend - www.autodesk.vercel.app - (Freelance Project)

- Developed the Frontend using React.js.
- Utilized SCSS for styling the frontend.
- Developed templates for Autodesk construction cloud report document using html2canvas and CSS3.
- Utilized jsPDF to generate PDF Reports files based on dynamic data.
- Optimized pdf pages using CSS along with CSS prefixer.

More Secure - www.moresecure.com - (Fiverr Project)

- Developed the project using Gatsby.js by utilizing Gatsby Ghost Starter Boilerplate.
- Utilized Scss with 7-1 Pattern and Flexbox Layout for styling.
- Used React Bootstrap along with CCS3 Media Queries for mobile device responsiveness.
- Utilized Gatsby Image Plugin with GraphQL Queries for fast loading and optimized images.
- Integrated Ghost Headless CMS for Blog Posts.

Education

BS Software Engineering, COMSATS University Islamabad

09/2015 – 09/2019 | Islamabad, Pakistan