MUSSADIQ KHAN ~ Full-Stack Engineer

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PROFESSIONAL SUMMARY

Full-stack engineer with **1.5+ years** in the **JavaScript/TypeScript** ecosystem who builds scalable web applications with clean **API design, layered security**, **Redis** caching and **real-time** features. Ships **containerized** services through automated **CI/CD** to **AWS (** ECS Fargate, EC2), backed by **unit, integration and end-to-end** test suites. Delivered **20+ production** client websites across the world with **99+ Lighthouse** scores. **Seeking Software Engineer and Full-Stack roles.**

TECHNICAL SKILLS

Languages: JavaScript, **TypeScript**, SQL, Python

Frontend: React, **Next.js**, Tailwind CSS, HTML5, CSS3, **Redux Toolkit**, Context API, TanStack Query, Framer Motion, MUI, Shadcn/UI

Backend: Node.js, **Express.js**, REST APIs, **JWT**, Bcrypt, **Socket.IO**, Zod, Cloudinary, Swagger/OpenAPI, **Google Gemini API**, NextAuth

Databases: **PostgreSQL**, Prisma ORM, **MongoDB**, Redis

DevOps & Cloud: **Docker**, GitHub Actions, **CI/CD**, **AWS**, Vercel, Render

Testing: Vitest, Supertest, Playwright, React Testing Library

Tools: Git & **GitHub**, **Postman**, Figma, Lighthouse, Google Search Console, **SEO**

PROJECTS

TaskFlow AI — Distributed Task Management & Collaboration Platform | Live Demo | GitHub

Next.js 16, React 19, TypeScript, Express 5, MongoDB, Redis, Socket.IO, Zod, Gemini API, Docker, GitHub Actions, AWS ECS Fargate, ECR

- Engineered a full-stack task management platform with **RBAC** (Admin, Manager, Employee) roles, secured using **JWT authentication**, **access/refresh tokens** with **HTTP-only cookies**, **bcrypt** password hashing, **Socket.IO** authorization, and record-level ownership enforcement.
- Implemented a **Redis cache-aside layer** with role-based caching, SCAN-based invalidation, Zod request validation, and layered **rate limiting**, reducing database load while maintaining data consistency.
- Built **real-time** collaboration with **Socket.IO**, including room-based messaging, staff-only group, read receipts, live notifications, and **cursor-based pagination** for scalable chat, integrated the **Gemini API** for **AI** task summarization and priority classification.
- Achieved **90%+ backend test coverage** with **225 automated tests** across Vitest, React Testing Library, Supertest, and Playwright E2E; documented REST APIs with **Swagger/OpenAPI**.
- Built a **4-stage GitHub Actions CI/CD pipeline** that automatically tested, containerized, and deployed Docker images to **Amazon ECR** and **AWS ECS Fargate** via **OIDC**, eliminating long-lived AWS credentials.

Chunk'd Cookies — Product-Drop E-Commerce Platform | chunkdpk.com

- Built a **Next.js + TypeScript** product-drop **eCommerce** store on **MongoDB** with box-size selection, daily order windows, coupon engine, dynamic delivery, **product CRUD**, and **sales analytics** — all managed via a **JWT**-secured admin panel.
- **Optimized** Responsive design, **SEO** & **performance-focused** architecture, achieved **100/100** Lighthouse Performance and SEO.

Zevora Official — Multi-Category Fashion E-Commerce | zevoraofficial.com

- Built a **Next.js 16 + TypeScript e-commerce** platform on **MongoDB** with a full **admin dashboard &** category filtering, product search, secure checkout and Cloudinary-optimized media, delivering a **responsive**, **conversion-focused UI/UX**.
- Drove **16K+ Google Search impressions** and a **10% increase in online orders** by implementing **technical and on-page SEO**, achieving **100/100 Lighthouse Performance** and **<0.8s page load times** through **SSG, SSR, and performance optimization**.

EXPERIENCE

Founder & Full-Stack Engineer | Scrupulous (Software Agency) Aug 2025 – Present

- Delivered **20+ production web applications** for clients in **Pakistan, Saudi Arabia** and the **UK**, owning the full lifecycle: requirements, Figma design, data model, API, Vercel/DNS deployment and post-launch support.
- Architected **Next.js** and **TypeScript** systems on **MongoDB**, Cloudinary, Nodemailer and NextAuth/JWT with secure **admin dashboards** for product CRUD, order fulfilment, coupon engines, dynamic delivery charges, review moderation and real-time sales analytics.
- Executed technical **SEO** (dynamic metadata, JSON-LD, XML sitemaps, tags, Search Console) consistently reaching **99+ Lighthouse** scores.

CERTIFICATIONS

Meta: Intro to Front-End Development · Coursera: Intro to Next.js · Scrimba: Learn TypeScript, Redux in JS & React, Front-End Interview Questions · freeCodeCamp: JavaScript Algorithms & Data Structures, Responsive Web Design · Simplilearn: Figma, Intro to Express JS

EDUCATION

BSc Computer Science | Iqra University, Islamabad Oct 2024 – Jun 2028 (In Progress)