

Hamza Khan

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TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3

Frontend: React.js, Next.js, Redux, Tailwind CSS, React Query, Zustand, Material UI, Shadcn, Radix

Backend: Node.js, Express.js, MongoDB, Firebase (Firestore, Cloud Functions), REST APIs, MERN Stack

Tools: Git, GitHub, CI/CD, GitHub Actions, Jest, Unit Testing, WebSockets, Stripe, Figma, Agile Development

EXPERIENCE

Contract Software Developer

Sep 2024 – Present

OutlierAI

- Refactored modules of junior developers' code, reducing bugs and improving runtime efficiency.
- Audited AI-generated code for compliance with performance standards, ensuring quality deliverables.
- Enhanced LLM outputs by integrating JavaScript frameworks for more accurate responses.

Web Development Intern

Feb 2025 – Mar 2025

CodingSamurai

- Built full-stack e-commerce MERN application with JWT authentication and Stripe payment integration.
- Developed WebSockets-based chat application using Socket.IO for real-time communication between users.
- Contributed to live projects under mentorship during a competitive 4-week internship program.

Web Developer - AI Trainer

Apr 2024 – Sep 2024

DataAnnotation

- Designed JavaScript/TypeScript prompts to train AI chatbots in solving programming challenges.
- Evaluated AI-generated code for adherence to JavaScript/TypeScript best practices and standards.
- Created technical documentation for code solutions to improve chatbot instructional capabilities.

PROJECTS

AI Chat Assistant | *TypeScript, React, Express, Node.js, MongoDB, Unit testing, Jest, AWS EC2, Docker*

2024

- Developed MERN application integrating Google Gemini AI for context-aware multi-modal responses.
- Integrated Jest testing for critical components reducing bugs and streamlining development.
- Created CI/CD pipeline with GitHub Actions, dockerised and deployed to AWS EC2 services.

E-commerce Platform | *Next.js, TypeScript, Firebase, Stripe, NextAuth, Zustand, Tailwind*

2024

- Built Amazon clone with mobile-first responsive design with Stripe payment processing and webhook handling.
- Implemented NextAuth authentication supporting multiple providers and secure session management.
- Managed global states with Zustand persist ensuring accurate loading, error, favorite, user and cart states.

Social Platform | *Next.js, TypeScript, Firebase, Tailwind, Recharts, Jest, Unit testing, Context API*

2024

- Created a real-time interactive social platform with user management and data visualisation dashboards.
- Integrated Tiptap rich-text editor with image uploads, server side rendering SSR and HTML content sanitization.
- Implemented Jest unit testing for core utilities and API endpoints to ensure functional reliability and scalability.

EDUCATION

FreeCodeCamp

Certifications: Responsive Web Design & JavaScript Algorithms

Jun 2024 – Jul 2024

Brunel University

MA Digital Games: Theory & Games Design

Sep 2022 – Sep 2023

Brunel University

Computer Science BSc: Second Class Honours

Sep 2018 – Sep 2021