

HAFIZ MUHAMMAD HASSAN KHAN

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[LinkedIn](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Full Stack Developer with 5+ years of experience designing and implementing scalable web and mobile applications. Expertise in React, React Native, Next.js, TypeScript, Node.js, and GraphQL. Proven track record of optimizing application performance, integrating complex APIs, and delivering high-quality code in agile environments. Strong background in both frontend and backend development with MongoDB, PostgreSQL, and cloud technologies. Passionate about creating intuitive user experiences and implementing efficient, maintainable solutions.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, SQL, HTML5, CSS3

Frontend Technologies: React, Next.js, React Native, Vue.js, Angular, Redux, Tailwind CSS, Sass, Responsive Design

Backend Technologies: Node.js, Express, NestJS, GraphQL, REST APIs, Spring Boot, Django, FastAPI, Microservices

Databases: MongoDB, PostgreSQL, MySQL, Supabase, Firebase

Cloud & DevOps: AWS, Docker, CI/CD, GitHub Actions, Git, Vercel, Jenkins

AI & Machine Learning: TensorFlow, PyTorch, Natural Language Processing, OpenCV, Pandas, NumPy

Web3 Technologies: Web3.js, Smart Contracts, MetaMask Integration, WalletConnect, Ethereum, Polygon

Development Tools: Figma, Jira, Postman, Appwrite, Clerk, Visual Studio Code, Webpack

PROFESSIONAL EXPERIENCE

Full Stack Developer (Working Student)

Helden im Handwerk, Germany | February 2026 - Present

- Built and maintained type-safe backend services using **Node.js and TypeScript**, designing scalable APIs and relational data models with **PostgreSQL**, ensuring clean architecture and maintainable code.
- Developed full-stack features by integrating **React (TypeScript, Vite)** frontends with backend APIs, implementing efficient server-state management and data fetching

Full Stack Developer

BlockApex, Pakistan | June 2023 - December 2023

- Built a multi-chain cryptocurrency wallet browser extension using React.js, TypeScript, and Web3.js, compatible with all EVM-based blockchains, including Ethereum, Polygon, and Binance Smart Chain.
- Implemented secure wallet management features, including transaction signing, token swaps, NFT display, and private key encryption.
- Optimized bundle size by 40% through code splitting and lazy loading techniques, improving initial load time and application performance.

Full Stack Developer

Xord, Pakistan | October 2020 - June 2023

- Architected frontend infrastructure for blockchain wallet application featuring zkRollup and Layer 2 scaling solutions, reducing gas fees by 28% and improving transaction throughput by 3x
- Integrated OpenCV and TensorFlow models for facial recognition in an enterprise attendance system, reducing manual verification by 90% and processing 500+ employees daily with 98% accuracy

KEY PROJECTS

Converso - Learning Management System ([Link](#))

Technologies: Next.js, TypeScript, Supabase, Clerk, VAPI, Tailwind CSS

- Built a full-stack Learning Management System with user authentication, payment processing via Stripe integration, and comprehensive course management functionality
- Implemented serverless architecture using Vercel and Supabase for scalable database operations and real-time data synchronization

Signalist - Stock Tracking Platform ([Link](#))

Technologies: Next.js, TypeScript, MongoDB, Inngest, Tailwind CSS

- Developed a real-time stock tracking platform with personalized alerts, detailed company analytics, and historical data visualization
- Integrated third-party financial APIs and implemented background job processing using Inngest for automated price updates and notifications

StoreIt - Cloud Storage Platform ([Link](#))

Technologies: Next.js, TypeScript, Appwrite, Tailwind CSS

- Created a cloud storage platform with file sharing capabilities, a user management dashboard, and real-time synchronization across devices
- Implemented secure file upload and download functionality with role-based access control, encryption, and version history tracking

EDUCATION

Master of Science in Global Software Development

Hochschule Fulda, Germany | Expected Graduation: 2026

Bachelor of Science in Software Engineering

University of Karachi, Pakistan | 2017 - 2021

CERTIFICATIONS

- TensorFlow for Deep Learning Bootcamp, Udemy (April 2024)
- Complete A.I., Machine Learning, and Data Science Bootcamp, Udemy (November 2023)
- SQL and PostgreSQL: The Complete Developer's Guide, Udemy (September 2023)
- NestJS: The Complete Developer's Guide, Udemy (June 2023)

LANGUAGES

English: Fluent (Professional Working Proficiency)

German: B1 (Intermediate)