

HAFIZ MUHAMMAD HASSAN KHAN

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PROFESSIONAL SUMMARY

Full-Stack Developer with 5+ years of experience building scalable web applications using TypeScript, React, FastAPI, and PostgreSQL. Pro cient in developing modern UIs and robust backend logic with a strong focus on clean, maintainable code and thorough documentation. Passionate about leveraging AI and technology to drive real-world impact| especially in transforming and modernizing the public sector.

EDUCATION

M.Sc. Global Software Development, Hochschule Fulda Expected 2026

B.Sc. Software Engineering, University of Karachi, Pakistan 2017 - 2021

SKILLS

Technical Skills

Frontend	Angular, React, Next.js, Vue.js, React Native, Tailwind CSS, HTML5, CSS3, Sass
Backend	Node.js, Express, NestJS, Spring Boot, Django, FastAPI, GraphQL
Databases	MongoDB, PostgreSQL
Languages	TypeScript, JavaScript, Python
UI/UX	Responsive design, Accessibility, Modular component design, State management
Testing	Unit testing, CI/CD pipelines, GitHub Actions, Docker
Cloud and DevOps	AWS Services, Firebase, Git, CI/CD
AI/ML	TensorFlow, PyTorch, NLP, OpenCV, Pandas, NumPy
Web3 and Blockchain	Web3.js, Smart Contracts, MetaMask, WalletConnect
Tools and Platforms	Git, Figma, Jira, Postman

EXPERIENCE

Full Stack Developer Jan 2024 - June 2025
Drox Labs *Remote*

- Developed a cross-platform voice assistant using React Native, Node.js, and Python, integrating ASR and LLM-powered NLP for real-time voice commands.
- Reduced speech processing latency by 52% using asynchronous operations and caching.
- Designed reusable UI components with React Hooks, Context API, and TypeScript, improving mobile performance by 40%.
- Collaborated across teams to ensure frontend-backend integration, following agile development best practices.

Full Stack Developer June 2023 - December 2023
BlockApex *Pakistan*

- Built a multi-chain crypto wallet browser extension with React.js, TypeScript, and Web3.js, compatible with EVM-based chains.
- Decreased transaction processing time by 35% by optimizing state management (Redux) and real-time data sync.
- Created responsive, accessible dashboards with WCAG-compliant UI, supporting dark/light modes and mobile-first design.

Full Stack Developer October 2020 - June 2023
Xord *Pakistan*

- Architected the frontend for a blockchain wallet app featuring zkRollup and Layer 2 scaling | cut gas fees by 28%, improved throughput by 3×.
- Integrated OpenCV and TensorFlow for facial recognition in enterprise attendance systems, reducing manual checks by 90%.
- Delivered frontend features (QR transfers, fee estimators, history views) in 2-week sprints, achieving a 98% on-time release rate

CERTIFICATIONS

- TensorFlow for Deep Learning Bootcamp, Udemy (Apr 2024)
- Complete A.I. Machine Learning and Data Science Bootcamp, Udemy (Nov 2023)
- SQL and PostgreSQL: The Complete Developer's Guide, Udemy (Sep 2023)
- NestJS: The Complete Developer's Guide, Udemy (Jun 2023)

LANGUAGES

- English (Fluent)
- German (B1)