

MUHAMMAD KHALID CHOUHAN

Full Stack Developer

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SUMMARY

Full Stack Developer with hands-on experience on a global fintech platform, working across React/Next.js frontend and Node.js/Express/MongoDB backend. Skilled in REST APIs, authentication and authorization flows, backend workflows, and real-time transaction systems, with a track record of resolving production issues and optimizing API response times to sub-300ms on a high-traffic payments product. Comfortable owning features end-to-end — from database design and backend logic to responsive UI and state management — with a growing focus on scalable, production-grade backend engineering.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python

Frontend: React.js, Next.js, Angular, Redux Toolkit, RxJS, Tailwind CSS, Zustand

Backend: Node.js, Express.js, REST APIs, Authentication & Authorization, Backend Workflows, Real-Time Systems (Socket.IO, Zo

Databases: MongoDB

Cloud, DevOps & Tools: AWS (S3, EC2), Docker, Git, GitHub Actions, Vercel, Firebase, Postman, Figma, Trello

Soft Skills: Problem Solving, Communication, Team Collaboration, Leadership, Time Management

PROFESSIONAL EXPERIENCE

MERN Stack Developer | TechOn Ventures

Jan 2025 – Present

Karachi, Pakistan

- Contribute to InstaPay, a global fintech platform supporting international transfers, virtual cards, delegate access, activity feeds, and transaction workflows, working across both frontend and backend layers.
- Develop and integrate REST APIs and manage centralized application state using Redux Toolkit and RxJS to support complex, data-driven features.
- Work on backend workflows and authentication-related flows to deliver secure, production-ready functionality, and helped improve API response times to sub-300ms on select endpoints.
- Managed and enhanced the Admin Panel by building new features, integrating APIs, debugging issues, and resolving production problems; collaborated with cross-functional teams to maintain application stability.

Frontend Development Intern | Devsinz

Aug 2024 – Dec 2024

Remote

- Built responsive, pixel-perfect UI components using React.js and Tailwind CSS, improving user engagement by 15% through UI/UX and performance refinements.
- Collaborated in Agile sprints to debug functional issues, maintain cross-browser compatibility, and deliver production-ready frontend features.

PROJECTS

InstaPay — *insta-pay.ch*

Tech Stack: React.js, Express.js, MongoDB, Socket.IO, Redux Toolkit, AWS

- Large-scale fintech platform enabling payments through social channels such as Instagram, Telegram, and WhatsApp, including wallets, invoicing, and international money transfers.
- Contributed to virtual Mastercard issuance, QR payments, e-commerce integrations, and multi-channel withdrawal workflows, plus an admin dashboard with analytics using REST APIs and real-time transaction flows.
- Contributed to AWS deployment workflows, performance optimization, and production issue resolution on a live fintech product.

Taxi Message

Tech Stack: Angular.js, WhatsApp Api, Bootstrap, CSS

- Developed the Broadcasting feature and Button Statistics module; implemented authentication and WhatsApp Api's integrated frontend.
- Worked with MongoDB and used Zod for data validation; resolved UI, functional, and production issues to improve stability and user experience.

Asani Bond

Tech Stack: Next.js, Node.js, MongoDB, OCR, Clerk, Zod,

- Built a full-stack prize bond checking platform with secure authentication, bond wallet management, and check history.
- Implemented OCR-based bond number extraction, real-time prize checking, tax calculation, and automated email notifications, delivering both frontend and backend functionality.

EDUCATION

Bachelor of Science in Computer Science (BSCS)

2025 – 2028

Virtual University of Pakistan

Intermediate

2023 – 2025

Government National College, Karachi

CERTIFICATIONS / TRAINING

Web and Mobile App Development — Saylani Mass IT Training (SMIT) | Beginner's Guide to Linux — Microsoft Student Ambassadors | GitHub Hacktoberfest: Beginner's Guide to Open Source — Microsoft Student Ambassadors

ADDITIONAL INFORMATION

Languages: English (Fluent), Urdu (Native) | **Interests:** Software Engineering, Product Development, Business Strategy