Muhammad Salman Hassan

Karachi, Sindh, Pakistan (Open to Relocation — Open to Remote)
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Summary

Software Engineer with 3+ years of professional experience in developing scalable Fintech and Enterprise-grade applications using React.js, Node.js, and Microservices architecture. Proven track record in optimizing system performance, reducing API response times by 25%, and building real-time dashboards for high-traffic platforms. Highly adaptable and ready for immediate relocation to the Middle East.

Education

Federal Urdu University of Arts, Sciences & Technology   Karachi, Pakistan
Bachelor of Science in Computer Science (GPA: 3.45 / 4.00)   *2019 – 2023*

Experience

eOcean Pvt Ltd   June 2025 – Present
Software Engineer   *Karachi, Pakistan*
- Developing and scaling **xNotify**, an enterprise-grade omnichannel platform processing **millions of SMS/WhatsApp messages daily**, enhancing delivery reliability by **20%**.
- Engineered a WhatsApp-based automated lending bot, driving a **35% increase** in automated customer onboarding and significantly reducing manual operational overhead.

Kistpay Pvt Ltd (Fintech)   Feb 2023 – June 2025
Software Engineer   *Karachi, Pakistan*
- Led the development of the Kistpay customer portal, increasing installment checkout conversions by **15%** via streamlined UX and optimized transaction flows.
- Refactored frontend architecture to reduce Time-to-Interactive by **28%** and decreased bundle size by **22%**, ensuring high performance for users on varied mobile networks.
- Collaborated on the internal lending dashboard to enable real-time queue management and monitoring using **Redis and BullMQ**.

KDYS Labs   Aug 2022 – Feb 2023
Frontend Developer (Trainee / Junior)   *Karachi, Pakistan*
- Developed high-fidelity, responsive web interfaces [cite: 26] by translating complex Figma designs into pixel-perfect components.
- Ensured 100% cross-browser compatibility and UI consistency across various legacy and modern browsers.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3
Frontend: React.js, Redux, Chakra UI, Tailwind CSS, Responsive Design
Backend: Node.js, Express.js, Microservices Architecture, RESTful APIs
Databases & Queues: MySQL, Redis, BullMQ (Task Scheduling & Message Queues)
Tools & DevOps: Docker, Git, GitHub, Postman, Jira, Agile/Scrum
Key Competencies: Fintech GCC-Specific Solutions, Performance Optimization, API Integration

Projects

Salik Replication & Stock Management | *React.js, Node.js, Chakra UI*
- Engineered a high-performance React.js web application replicating Dubai's Salik toll management features, focused on seamless user experience and real-time balance tracking.
- Developed a specialized stock monitoring module to manage inventory levels, utilizing responsive design principles for accessibility across mobile and desktop platforms.
- Integrated secure API endpoints to handle mock transaction flows, simulating regional payment gateway architectures used in the UAE.

Kistpay Internal System & Lending Dashboard | *Node.js, React.js, Redis, BullMQ*
- Developed an enterprise-grade internal dashboard for a Fintech lending bot, enabling real-time queue management and monitoring.

- Architected React.js modules to visualize complex lending data, automating workflows that significantly improved operational efficiency.

xNotify – Enterprise Notification Platform | *Node.js, React.js, Microservices*
- Contributed to a high-scale omnichannel notification system powering SMS/WhatsApp for enterprise clients.
- Optimized distributed microservices to ensure reliable message delivery and real-time tracking across diverse channels.

ThinkMoves – Chess Game Analyzer | *React.js, JavaScript, Custom Algorithms*
- Engineered a web-based analytical tool that evaluates chess moves and highlights inaccuracies using custom PGN logic.
- Developed interactive UI components to provide visual game insights and move-by-move blunder detection.