SHABBIR HUSSAIN

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Bengaluru, Karnataka, 560103

PROFESSIONAL SUMMARY

Accomplished Software Engineer with 7+ years of experience in full-stack development, delivering robust applications for the fantasy sports and IOT and fintech industries. Expertise in creating mobile solutions with both React Native and native, alongside web development using Next.js and React. Coupled with a strong backend proficiency in Node.js and Java, recognized for leading a successful mobile app transition and building a secure trade finance platform.

TECHNICAL SKILLS

Frontend:	React Native, React, Next.js, TypeScript, JavaScript
Backend:	Node.js, Java, Java EE, REST APIs
IoT & Hardware Integration:	Bluetooth Low Energy (BLE), Bluetooth Mesh
Cloud & DevOps:	AWS, CI/CD, Git
Tools & Technologies:	Linux, Microservices, Agile/Scrum

PROFESSIONAL EXPERIENCE

SDE-2 — Games24x7 — Bengaluru — Nov 2023 - Present

- Develop and maintain features for the My11Circle application such as team creation, contest participation, and live scoring, serving over 10 million active users and ensuring high performance in a high-traffic environment.
- Spearheaded the revamp of live contest features by implementing a "Winner Reactions" video functionality, an initiative that directly resulted in a 5% revenue increase and a 7% boost in user engagement.
- Led the successful upgrade of the React Native framework from v0.71 to v0.76, improving app stability and reducing average build times by 20
- Integrated the Sentry SDK for proactive issue monitoring, leading to a 30% reduction in critical production crashes.
- Engineered a "Team Compare and Team Review" feature to enhance strategic gameplay, which increased average user session time by 3 minutes.
- Implemented a customer support portal with a fully integrated Zendesk chat, reducing average ticket resolution time by 25

Lead Full Stack Engineer — BondBlox, Hyderabad — Oct 2021 – Nov 2023

- Led the end-to-end development of the BondBlox mobile app, successfully transitioning the platform to React Native to unify the codebase and accelerate feature deployment.
- Engineered and maintained robust, scalable backend services and APIs using Node.js and MySQL on an AWS infrastructure to support both web and mobile platforms.

Senior Software Engineer — Newgen Software, Noida — Jan 2018-Oct 2021

- Led the end-to-end development of a new Trade Finance platform from concept to launch, building the frontend with Angular and the backend with Java EE and an Oracle database.
- Developed and deployed various automation utilities that streamlined internal processes and improved operational efficiency.

KEY PROJECTS

VerifAI - AI-Powered Mobile Testing Automation — January 2025

- Led development of AI-powered mobile testing automation system that reduced PR verification time by 83% (30-60 minutes to under 10 minutes)
- Architected intelligent test generation using Amazon Bedrock (Claude 3) with automated Android emulator testing via natural language instructions
- Built enterprise-grade Node.js/TypeScript backend with RESTful APIs, achieving 95%+ test coverage and saving 50+ developer hours monthly
- Technologies: Amazon Bedrock, Claude 3, Node.js, TypeScript, Mobile-MCP, GitHub Actions, Android SDK, Jest

Sigma Controller - BLE Mesh Network App — React Native, TypeScript, Redux

- Architected and developed a sophisticated cross-platform application using React Native and TypeScript for professional-grade management and configuration of complex Bluetooth Mesh IoT networks.
- Engineered a robust state management system with Redux Toolkit to handle complex network topologies and real-time device states, while integrating low-level Bluetooth functionality via the Nordic nRF Mesh SDK for secure device provisioning and communication.

Magic Controller — React Native, Bluetooth Low Energy (BLE)

- Developed an offline-first mobile application using React Native and BLE for direct binding and real-time control of smart devices, enabling users to manage on/off state, color, and intensity.
- Implemented an advanced device grouping feature that leverages BLE broadcasting to send synchronized commands to multiple devices simultaneously, allowing for efficient scene and group control.

FastLottie — React Native, RNFS, AsyncStorage

- Architected and published an in-house React Native library to resolve a significant performance bottleneck by implementing a local caching mechanism using react-native-fs and AsyncStorage for Lottie animations.
- This solution drastically reduced network dependency and load times by intelligently managing the cache lifecycle, resulting in a significantly smoother user experience and improved application performance.

EDUCATION

GL Bajaj Institute of Technology and Management, Greater Noida

Bachelor of Technology (B.Tech.) in Computer Science   2014 – 2018

ACHIEVEMENTS & AWARDS

- Winners of AWS Agentic AI hackathon
- Awarded multiple recognitions at Games24x7 Software, including Rising Star, Extra Mile (4x), and Kudos (6x) for exceptional performance and contributions.