SHABBIR HUSSAIN

pshabbir36@gmail.com · +91 8447149834 · LinkedIn: · Profile: · GitHub: shabbir-hussain-git

Bengaluru, Karnataka, 560103

PROFESSIONAL SUMMARY

Accomplished Full-Stack Engineer with 7+ years of experience architecting end-to-end solutions for the fantasy sports, IoT, and fintech industries. I have a proven track record of leading development on secure, high-transaction platforms and innovative AI-powered systems.

TECHNICAL SKILLS

Languages:	JavaScript, Java, TypeScript, SQL
Frontend:	React Native, React, Next.js, Redux,
Backend & Databases:	Node.js, Spring Boot, Express.js, REST APIs, GraphQL, Microservices, MySQL, NoSQL, Kafka, Redis
Cloud & DevOps:	AWS, CI/CD, Git, GitHub Actions
IoT:	Bluetooth Low Energy (BLE), Bluetooth Mesh
Methodologies:	Agile/Scrum

PROFESSIONAL EXPERIENCE

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

- Develop and maintain features for the My11Circle application serving over 10 million active users, ensuring high performance in a high-traffic environment.
- Spearheaded the "Winner Reactions" feature by building the React Native frontend, developing a Java backend with **Spring Boot**, and implementing an **AWS Lambda** function that utilized **S3** and **SQS** to process video uploads. This initiative directly resulted in a 5% revenue increase and a 7% boost in user engagement.
- Engineered a full-stack "Team Compare and Team Review" feature, including the React Native UI and the supporting backend services, which increased average user session time by 3 minutes.
- Built and deployed a new customer support portal using **Node.js** and **Express.js** for all backend and CRUD operations, and integrated a Zendesk chat on the frontend, reducing average ticket resolution time by 25%.
- 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.

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** and the web application in **Next js** and deploying it using **AWS Amplify**.
- Architected and maintained a robust, scalable serverless backend, utilizing **AWS Lambda** for compute, **S3** for storage, and **MySQL** for the primary database.

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 **React** and the backend with **Java EE** and the **Spring Framework**.

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

- 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.
- **Technologies**: Spring Boot,React Native, MQTT, AWS, Jest, SQLite

Magic Controller — 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.
- **Technologies**: Node Js,React Native, AWS, Sentry,

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.