




# Shubham Shekhar Jha

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☎ (469) 238-6219 | 📍 Richardson, TX

## EDUCATION

### The University of Texas at Dallas

M.S. in Computer Science

Aug 2022 – Current

Richardson, TX

### Indian Institute of Technology (Banaras Hindu University), Varanasi

B.Tech. in Metallurgical Engineering | GPA: 7.80 / 10

Jul 2014 – May 2018

Varanasi, India

## SKILLS

**Languages** : Java, C++, Javascript, Python

**Back-end Technologies** : Spring Boot, Express, Redis, ApacheMQ, Kafka, Docker, Kubernetes

**Front-end Technologies** : Android, React Native, React

**Databases** : MongoDB, PostgreSQL, Cassandra

## EXPERIENCE

### Walmart Global Tech

Software Engineer III | Walmart Mexico e-Commerce

Dec 2020 – July 2022

Bangalore, India

**Promotions & Discounts** | Spring, Kafka, Cassandra

- Migrated Promotions platform out of legacy engine to Spring microservices. After migration, Cart page load-time reduced from 2.5s to 1s, saved \$MXN 16M in licensing fees, and promotion set-up time reduced by 96%.
- Integrated in-store and e-Commerce promotions to create a unified customer experience and promotion creation pipeline.
- Implemented Disaster Recovery Strategies like bi-directional data mirroring Kafka topics and comprehensive ECV Checks.

**Payments** | Spring, Azure SQL

- Worked on developing Auto-Renewal Payment service for Walmart Mexico membership programs

### OYO Rooms

Software Development Engineer I & II | OYO Mesh (IoT Team)

Jun 2018 – Dec 2020

Bangalore, India

**Internet of Things** | Spring Boot, AWS IoT, Redis, Kafka, MongoDB, Docker, Kubernetes

- Developed a scalable back-end from scratch for a network of more than 50,000 Energy monitoring and conserving IoT devices, OYO Switch, deployed in 6,000 hotels across India.
- Created a React based tech-support portal, where we could see the devices' status and analytical data. This website supported the hotel staff in case a device went offline.
- Worked on IoT enabled smart hotel rooms where all room appliances could be controlled via voice commands to enhance the guest experience. Integrated Alexa toolkit and the back-end server using AWS Lambda.
- Designed and developed the back-end for a Bluetooth based Offline Smart-lock, installed at 500 vacation homes. Also worked on a React Native cross-platform app to install and maintain the lock.

## PROJECTS

**Khwish : Community Funding Platform** | Spring Boot, React, Android, PostgreSQL [\[about\]](#)

Feb 2020 – May 2020

- Built a Spring Boot back-end for community funding app & website, with Firebase, PostgreSQL, Instamojo integration. [\[code\]](#)
- Created an Android app for users to create & share community events and manage contributed funds. [\[code\]](#)
- Developed a React website for the community to pay securely using Instamojo and contribute to events. [\[code\]](#)