




Shubham Shekhar Jha

✉ jhashubhamshekhar@gmail.com |  linkedin/shubhamshekharjha |  github/2sjha |  shubhamshekharjha.com
☎ (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

- Worked on Java based promotions platform, to migrate out of legacy engine and support new promotion types. After migration, promotion set-up time reduced by 96%, cart page load-time reduced from 2.5s to 1s, saved \$MXN 16M in licensing fees.
- Integrated store promotions system with abovementioned platform to unify promotion creation pipeline and customer experience in stores and e-Commerce websites in Walmart Mexico.
- Implemented Disaster Recovery Strategies like bi-directional data mirroring Kafka topics and ECV Checks.

Payments | Spring, Azure SQL

- Worked on developing Auto-Renewal Payment service for Walmart Mexico subscriptions

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 deployed in 10,000 hotels across India.
- Created a React based tech-support portal, where we could see analytical data for OYO Switch devices in hotels, cities and support hotel staff in case a device goes 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. Back-end created a six-digit code for the guests, active for their booking period, using the HMAC algorithm. Worked on a React Native cross-platform app to set up and maintain the lock.

PROJECTS

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

Feb 2020 – May 2020

- Built a Spring Boot backend 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. [\[demo\]](#) [\[code\]](#)