RAJAT THAKUR

An inquisitive and determined Full Stack Software Engineer

@ thakurrajat126@gmail.com 📞 +918894420430 🌐 thakurrajat126.github.io in thakurrajat126

WORK EXPERIENCE (5+ YEARS)

Lead Developer

Sinch India

📅 Dec 2021 – Ongoing   📍 Bengaluru/Noida

- As a core team member of Voice services, working on **IVR**, **Missed-call**, **Click-to-call** middleware solutions that provide seamless customer experience and caters ever-changing requirements in the world of **CPaaS**
- Increased maintainability by migrating live services from legacy to new applications
- Built **Vendor Routing Manager**, which automates traffic distribution and handles complex fail-over scenarios involving **multiple vendors** using **JAVA Spring Boot, Redis and MySQL**. Therefore helped in cost cutting and reduced service downtime

Senior Software Engineer

OneBill Software

📅 Sep 2017 – Dec 2021   📍 Bengaluru

- As an Implementation Engineer, assisted the team in developing and deploying a **highly scalable** and **reliable SMS-Gateway** (middleware of **microservices**) that can handle **high TPS** through **multiple Data Centers** using **Java, SMPP, ActiveMQ, Nginx, and MongoDB**
- **Disaster Recovery** with **real time distribution** and Zero loss of traffic
- **Production benchmarking** and **real time monitoring** of applications and their performance
- Worked on the **Workflow Engine** UI and backend, making it more user-friendly
- Experienced in **third-party integrations** with DocuSign, Odoo, Hubspot etc using **Rest APIs**
- Proposed and implemented **single sign on (SSO)** between CRM and SDP services to unify user base and **improve customer experience**

PROJECTS

SMS-Gateway

Implementation Engineer @UIDAI (2020-21)

- Been part of **requirement gathering and solution design**
- Implemented **microservices** using spring framework for SMS delivery to end user over **SMPP**
- **High Availability** setup of app servers using **ActiveMQ** as internal **message broker**
- Implemented **MongoDB replica set**, hence removed service downtime and increased reliability
- Achieved **ActiveMQ HA** using active-passive configuration
- **Load Balance** and **fail-over** setup using **Nginx** across multiple data centers
- Production benchmarking
- Operations management and monitoring through **Kibana** and **Grafana**

Miscellaneous

Freelance project(2017) - Created a landing website and CRM portal for London Investopedia using Java, HTML, CSS, Javascript and MongoDB
Hostel Management System(2015) - As a **Project lead**, created a dynamic room allotment and hostel management system using PHP , HTML , CSS , javascript and MySQL

TECH STACK

Java   Spring Boot   MongoDB   MySQL   SMPP   Nginx   ActiveMQ   RabbitMQ   Redis   AngularJS   Tomcat   Maven   Git

EDUCATION

B.Tech. in Computer Science

Baddi University of Emerging Sciences and Technologies

📅 2012-16   📍 HP

High School in Non medical Science

DAV Senior Secondary Public School

📅 2012   📍 Shimla

STRENGTHS

Eye for detail   Positive thinker   Team player

LANGUAGES

English   Hindi

OTHER INTERESTS

Music Production   Photography   Playing guitar   Travelling