

Suhash Bollu

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PROFESSIONAL SUMMARY

Software Engineer with over 3 years of practical experience building large-scale systems, skilled at working in agile development environments and collaborating effectively within diverse teams.

WORK EXPERIENCE

Expedia Group

Seattle, WA

Software Development Engineer II, Conversation Platform

May 2021 - Present

- Developed the Service Request Manager, a **RESTful** microservice built with **Kotlin** and **Spring Boot**, containerized with **Docker**, serving conversational bots that are utilized by approximately **1M** users daily.
- Built and shipped multiple features for Contact Center Management Console, a web application built using **React.js** and **Node.js**, enabling **15K** partners to create and manage call center configuration for efficient customer support operations.
- Designed and built a scalable microservice powered by **Java** and **Amazon Web Services** etc., allowing **15K** partners to conduct CRUD operations on resources in bulk, resulting in nearly **40%** improvement in operational efficiency.
- Identified computational overheads and implemented distributed caching using **Amazon ElastiCache** to handle expensive operations, resulting in a significant reduction in **P99** latency of nearly **90%** across multiple APIs.
- **Technologies:** Java, Kotlin, REST APIs, GraphQL, Spring Boot, JavaScript, React, Node.js, Docker, Datadog

The State University of New York

Buffalo, NY

Software Engineer Intern, Emtech WIKI

Mar 2021 - May 2021

- Developed and maintained the [SUNY EmTech](https://suny-emtech.org) website, leveraging **WordPress** as the platform and hosted it on **Red Hat OpenShift**, ensuring seamless accessibility and functionality for **36K** learners globally.

Tata Consultancy Services

Bengaluru, India

Software Developer, HDFC Life Insurance - Real-Time Communications

Jun 2017 - Aug 2019

- Built multiple features for a **J2EE** application to deliver content for SMS and emails, utilizing **JAX-WS** Clients for seamless communication with **SOAP**-based Web Services, thereby facilitating seamless real-time communication with **30M** customers.
- Developed a batch processing application utilizing **Java** and the **Spring Batch** Framework to automate bulk data processing of nearly **20K** records daily, resulting in enhanced operational efficiency.
- **Technologies:** Java, Python, Spring Batch, MySQL, Linux

SKILLS

- **Programming Languages:** Python, Java, JavaScript, Kotlin
- **Cloud Services:** Amazon Web Services
- **Frameworks/Libraries:** Spring Boot, React.js, Redux, Express.js
- **Databases:** MySQL, NoSQL - MongoDB
- **Others:** Node.js, Docker, Kubernetes, Spinnaker, Splunk, Jenkins, Datadog

EDUCATION

University at Buffalo

Buffalo, NY

Master of Science in Computer Science

Aug 2019 - Feb 2021

PROJECTS

Cross Platform Mobile Application

([demo](#))

- Designed and developed EntertainMe, a cross-platform mobile application, which serves as a marketplace for entertainment providers such as dancers, musicians, magicians, etc.
- Built using React-Native, Expo, Amazon RDS, S3, EC2 and Stripe for Payments.

Amazon Dynamo styled Distributed Key-Value Store

([github](#))

- Developed a simplified version of Amazon Dynamo styled distributed key-value storage using Android Emulators.
- Used quorum based replication with object versioning to provide linearizability and availability at the same time under failures.

Group Messenger

([github](#))

- Developed an android application using Java Sockets and Android that enables devices to exchange and store messages in local key-value storage, providing total and FIFO ordering guarantees.