

# SANDEEP PRASAD JAISWAL

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## WORK EXPERIENCE

### Disney+ Hotstar

Software Development Engineer

Bengaluru

August 2021 - Present

- Designed, Implemented and shipped new features on internal applications. This **decreased time to deploy new applications on Kubernetes by 40%**.
- Improved monitoring stack and helped maintain **service availability of 99.95%** by integrating Grafana and Victoria Metrics with backend services.
- Developed a tool which allowed backend services to fail gracefully when there is traffic congestion, resulting in **enhanced user experience** and **better customer retention**.
- Evaluated multiple open source libraries for Distributed Tracing like OpenCensus and OpenTelemetry and assessed the complexity of integrating them with backend services.
- Took on-call responsibility for DevOps team during high traffic events and **resolved Live issues**.
- Tech Stack: Kubernetes, Docker, React, Ruby on Rails, Prometheus, Victoria Metrics, AWS, DevOps

### Thoughtworks

Application Developer

Bengaluru

June 2019 - August 2021

- Doubled the revenue** of a large e-commerce company by building scalable and reliable microservices which helped the company move to a Marketplace business model.
- Automated performance tests** using Python and Locust to benchmark backend services. This helped discover API endpoints with large response time.
- Optimized inefficient JPA queries using Entity Graph, this enabled the backend services to handle over **3000 requests/second**.
- Enhanced developer experience by adding integration tests using Junit and Mockito for existing backend services. This reduced frequency of bugs and **increased availability of services**.
- Organized multiple Data Analysis workshops using Python and Pandas, in collaboration with She Loves Data.
- Mentored new graduates** and onboarded them in new projects by sharing assignments, performing code walkthrough and code reviews.
- Tech Stack: Java, Spring Boot, Angular, Microservices, PostgreSQL

### Thoughtworks

Application Developer Intern

Bengaluru

January 2019 - April 2019

- Trained in Agile Methodologies and industry best practices like TDD and Pair Programming.
- Developed a fullstack e-commerce application using Spring MVC to enable a business to sell their products online.

### AsknBid Innovation Factory

Python Developer Intern

Remote

June 2018 - November 2018

- Implemented a hybrid Machine Learning model to perform sentiment analysis using RAKE and TF-IDF.
- Ranked online articles and websites by scraping data and then analyzing them using a sentiment analysis model.

## SKILLS

Backend:	Java, Python, Go, Bash
Frontend:	React, Angular, Material UI, Jasmine
Infrastructure:	AWS, Kubernetes, Docker, GoCD, Helm
Databases:	SQL Server, Apache Cassandra, PostgreSQL, MongoDB
Frameworks:	Spring Boot, Flask, Locust, Pandas, Numpy, Junit, Mockito
Others:	Victoria Metrics, Prometheus, Grafana, Maven, Git

## PERSONAL PROJECTS

### SocialHub React, Python, FastAPI, MongoDB

<https://socialhub.sandyjswl.com/>

SocialHub is a website where you can share all your social media links using one url. Create a profile and add references to all your social profiles.

## EDUCATION

### Siliguri Institute of Technology

Bachelor of Technology Computer Science

Siliguri

August 2015 - June 2019