Sandeep Prasad Jaiswal

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Work Experience

Disney+ Hotstar   Bengaluru
Software Development Engineer I   August 2021 - Present

- Designed, Implemented and shipped new features on internal applications. This resulted in improved developer productivity and reduced deployment issues on Kubernetes.

- Improved monitoring stack and reduced time to detection of service outages by integrating Grafana and Victoria Metrics with backend services.

- Developed a tool to shed incoming traffic on Ambassador API gateway. This was used to shed extra traffic at Ambassador, when the backend services are under stress.

- Reduced manual intervention during high traffic events by adding new features on internal applications, to scale backend services based on expected traffic.

- 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 helped resolve Live issues.

Thoughtworks   Bengaluru
Application Developer   June 2019 - August 2021

- Developed highly scalable microservices using Java and Spring Boot for multiple large e-commerce clients.

- Ran performance tests using Python and Locust to benchmark backend services. This helped us discover inefficient JPA queries.

- Optimized inefficient JPA queries using Entity Graph, this enabled the backend services to handle over 3000 requests/second.

- Improved developer experience by adding integration tests using Junit and Mockito for existing backend services. This reduced frequency of bugs and improved availability of services.

- Built and deployed a scalable workflow orchestration engine from scratch under tight deadlines.

- Organised multiple Data Analysis workshops using Python and Pandas, in collaboration with She Loves Data,

- Mentored new graduates and help them getting started in new projects by sharing assignments, doing code walkthroughs and code reviews.

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. Built using React and Python.

Cricket-Statsguru *Python, Angular, FastApi, Pandas, Matplotlib, Google Cloud Platform*
Cricket-Statsguru is a web application where you can see cricket statistics of a particular player both graphically and numerically. The app also allows users to compare the stats of any two players. Built using Angular and Python.

Shopping Price Alert *Python, BeautifulSoup, Angular*
Shopping Price Alert is a web application where users can enter the URL of a product from Amazon/Flipkart and they will be notified as soon as there is a price drop in the selected product. Built using Angular and Python.

Education

Siliguri Institute of Technology   Siliguri
Bachelor of Technology Computer Science *GPA: 8.57*   August 2015 - June 2019