Himanshu Shekhar

Backend Software Engineer

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Experience

June 2020 - Present
Software Engineer, Trifacta.
Trifacta is a data-preparation platform for data engineers and analysts. Joined the job-optimization team at an early phase, experiencing the zero to one journey, working on optimizations as column pruning, filter pushdown, SQL pushdown, etc.
- Worked significantly on BigQuery pushdowns, which makes jobs run over 20 times faster than traditional map-reduce. This applies to BigQuery tables and Files in GCS.
- Contributed to a breadth of services across Trifacta - from React to Java and Scala.
- Part of the on-call team ensuring high availability of system in Google Cloud and AWS.

May 2019 - June 2020
Software Consultant, Sumo Logic.
Sumo Logic is a cloud-based machine data analytics platform. Part of the data-collection team at Sumo Logic, handling ingestion of over 10 petabytes of machine data every month.
- Worked with large-scale distributed systems on AWS, backed by technologies as Zookeeper, Kafka, RDS, SOA, RPCs, Memcached, Spring, Scala, Java, etc.
- Contributed to the beta-release of archive intelligence helping customers ingest logs on-demand.
- Worked on the beta-release of observability for collection.
- Been part of on-call rotations and handled production releases.

December 2018
Backend Development Intern, Atlan.
Atlan is a home for data teams enabling teams to process and collaborate on data just like a Google Doc.
- Dockerized all (18) microservices of Collect - a mobile data-collection app to run it easily using docker-compose.
- Optimized older Dockerfiles for dependencies, bringing down build size and build time by 80%

Education

2015–2020
Bachelors & Masters of Technology in Information Technology.
Indian Institute of Information Technology, Allahabad
CGPA: 8.95

Technical skills

Data pipelines, Distributed systems, Cloud Computing, Data Structures and Algorithms

Languages Scala, Java, Python, Golang, JavaScript, Bash, C, C++
Tools Docker, SQL, MongoDB, Git
Platforms Linux, Unix, AWS

Projects

- **ProxyMan**.
Shell based utility to configure system-wide proxy configuration on Linux. Appreciated with 400+ stars on GitHub and used widely in IIIT-A.

- **Upnext**.
A distributed music player where the timer synchronises over a fault-tolerant mesh network with dynamic number of nodes.
Implemented a distributed shared memory in Golang with events synchronising over HTTP.