

# Himanshu Shekhar

Backend Software Engineer

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## Experience

June 2020 - **Software Engineer**, Trifacta.

Present Trifacta is a cloud-based 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. [Blog on execution](#), [Blog on SQL pushdowns](#).
- Contributed to a breadth of services across Trifacta - from frontend code in React to backend services in Java and Scala.
- Part of the on-call team ensuring high availability of system in Google Cloud and AWS.

May 2019 - **Software Engineering Intern**, Sumo Logic.

June 2020 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 to let customers know the state of their configuration.
- 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
- It eased local setup and on-premise deployments in single-step via docker-compose
- Optimized older Dockerfiles for dependencies, bringing down build size and build time by 80%

May-July 2017 **Backend Development Intern**, Atlan.

- Built Collect Toolbox - a Python SDK to abstract complex queries and ease day to day related chores
- Built a performance reporting tool for the support team which sends an Excel report weekly on Slack

## 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.