

# Sumit Kumar | Engineering teams leader, built systems handling TBs of distributed data, 20x faster ticket resolution, 75% cost savings, 6x faster queries

☎ (+91) 8861534598 | ✉ sumit0krk@gmail.com | 🌐 sumit0k | 📱 sumit0k | in sumit0k | 🐦 sumit0k

## TECHNICAL SKILLS

<b>DATA STORES</b>	Amazon Redshift, MongoDB, Elasticsearch, Redis, Cassandra, MySQL, PostgreSQL, Aerospike
<b>LANGUAGES/LIB.</b>	Python, Javascript, SQL, Node.JS, Express.JS, React JS, Angular JS, Shell Script, Java
<b>TECHNOLOGIES</b>	Kibana, Logstash, WebSockets, NGINX, Git, Markdown
<b>TOOLS</b>	DBT, Apache Spark, Apache Kafka, Apache Airflow, Docker, JIRA, Postman
<b>CLOUD SERVICES</b>	AWS, Microsoft Azure, Google Cloud, Digital Ocean, Linode, Heroku

## EXPERIENCE

### Hackerrank Inc.

May 2022 - Present (1 Year)

A developer skills assessment platform; Leading the Runtime team that develops and maintains various development environments and collaborating with peers to optimize performance, cost, on-call, quality, and release processes.

#### SENIOR ENGINEERING MANAGER

- Enhanced customer delight culture by introducing a systematic customer support process that helped Customer success team achieve better SLOs, **reduced ticket resolution time by 20x**, and increased team accountability
- Accelerated release cycles by 6x** by introducing Hubs, Spokes & Pods model to handle visionary and missionary goals in parent team
- Led the effort to migrate infrastructure to new efficient system resulting in around **75% cost savings** and increased reliability

### Postman Inc.

July 2018 - April 2022 (3.75+ Years)

An API Development and testing platform; Managed a fully remote Data engineering team that delivered fast and reliable analytics solutions for various product and business goals and experiments.

#### ENGINEERING MANAGER

July 2020 - April 2022 (1.75+ Years)

- Mentored and grew **10 members remote team from 5** office based people by remotely hiring and smoothening out processes of onboarding, on-call, contribution and collaboration
- Designed and launched platform to scale data ingestion **by 1000x to 10 billion rows/month** and handle **100x more data in TBs** of storage.
- Led the project to design and implement systems for data sourcing from data warehouse that enabled Universal Search and Enterprise Reporting features for **17 Million users of Postman API Platform** [<https://bit.ly/postman-search>]

#### TECHNICAL LEAD

June 2019 - June 2020 (1 Year)

- Directly impacted **10+ teams** and contributed to data driven culture by launching Data transformation platform and pushing for Data democratisation along with Data Analysis team [<https://bit.ly/postman-datademocratization>]
- Slashed storage cost **by 2x in Redshift** by implementing compression strategies in tables

#### SOFTWARE ENGINEER (DATA ENGINEERING)

July 2018 - June 2019 (1 Year)

- Increased **queries speed by 6x** and reduced data wait time by optimising Redshift storage distribution
- Introduced ELT philosophy after migrating from ETL which **cut data processing time by 4x** while bringing principle of Software engineering in data analytics using Data Build Tool (DBT) [<https://bit.ly/postman-datademocratization>]

### MineWhat Inc.

May 2015 - June 2018 (3+ Years)

Ecommerce Analytics and Intelligence platform; Built and managed the backend for all products and led teams to deliver real-time personalized recommendations.

#### SENIOR SOFTWARE ENGINEER

Jan 2017 - June 2018 (1.5+ Years)

- Improved Elasticsearch data model to **shrink index size by 60x** [<https://bit.ly/elasticsearch60x>]
- Saved **7x storage cost** of MongoDB by implementing interoperable compression [<https://bit.ly/mongo7x>]
- Designed algorithms for live traffic distribution and path tracking of users

#### SOFTWARE ENGINEER

May 2015 - Jan 2017 (1.5+ Years)

- Built and maintained stream-based analytics system, that processed **10s of millions of user events a day**
- Managed distributed Systems and NoSQL databases while ensuring high availability and resiliency

## EDUCATION & TRAINING

### B. Tech. in Computer Science & Engg.

Bilaspur, CG

GURU GHASIDAS UNIVERSITY, CGPA: 9.0/10.0

August 2011 - April 2015

- PROJECT: PinQuip Messenger** (Node.js, JavaScript, WebRTC, Node Webkit)
  - Real-time messaging and communication platform implemented via Sockets
  - With support for File Sharing, Audio & Video call

### Training in Network Management

Kharagpur, WB

IIT-KGP, 4<sup>TH</sup> POSITION OUT OF 115 STUDENTS

May 2014 - June 2014

- PROJECT: NETMIN - Server Administrator** (Shell Scripting, LAMP stack)
  - Can manage complex Server management with a fluid web interface