

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

DATA STORES	Amazon Redshift, MongoDB, Elasticsearch, Redis, Cassandra, MySQL, PostgreSQL, Aerospike
LANGUAGES/LIB.	Python, Javascript, SQL, Node.JS, Express.JS, React JS, Angular JS, Shell Script, Java
TECHNOLOGIES	Kibana, Logstash, WebSockets, NGINX, Git, Markdown
TOOLS	DBT, Apache Spark, Apache Kafka, Apache Airflow, Docker, JIRA, Postman
CLOUD SERVICES	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
- Introduced a new system for launching environments and removed manual processes resulting in **single week delivery from multi quarters**
- **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, 4TH 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