

Sumit Kumar

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Technical Skills

- **Programming Languages:** Golang, Python, JavaScript, Java
- **Tools and Frameworks:** Docker, Kubernetes, Kafka, Django, ReactJS, PostgreSQL, Redis, Jenkins, Spring Boot, Apache Airflow
- **Cloud Technologies:** AWS EC2, AWS Lambda, AWS S3, AWS Managed Kafka, Amazon Athena, AWS SQS, Google BigQuery, Google Kubernetes Engine, Microsoft Azure Virtual Machine, AWS DynamoDB, AWS CloudWatch, AWS Redshift

Work Experience

Senior Software Engineer - II Infra.Market *Bangalore, India* **04/2023 - Current**

- Led the design and development of multiple enterprise-level **microservices built on cloud based distributed architecture** using latest technologies like **Golang, Kafka, Redis, PostgreSQL, gRPC, Python** and multiple **AWS services**
- **Headed a development team of 6** tasked with orchestrating the entire order lifecycle, spanning cart creation, payment processing, and last-mile delivery, actively contributing to the revenue of **exceeding \$500 million** every year
- Coordinated the dockerization and migration of over **25 microservices to a Kubernetes cluster** on AWS, transitioning from a monolithic system. This initiative resulted in improved **availability, scalability, and cost-efficiency** of the tech infrastructure

Senior Software Engineer - I & Software Engineer - II Infra.Market *Bangalore, India* **07/2021 - 03/2023**

- Architected a highly scalable order management system, leveraging **Domain-Driven Design (DDD) principles** capable of **handling concurrent transactions and ensure resilience in an event-driven system**
- Collaborated in the integration of **Microsoft Dynamics 365 (ERP system)** hosted on **Azure Cloud** with internal applications hosted on AWS, **architecting and implementing over 15 pipelines** to guarantee seamless and efficient asynchronous data movement
- Developed **wrappers for Kafka, exposing it through a library** for seamless integration with the code base. Implemented the outbox pattern, automatic message retries on failure, introduced a batch message poller, and **enabled request tracing across microservices**

Full Stack Developer GALE Partners *Bangalore, India* **01/2019 - 06/2021**

- Migrated a single-tenant data pipeline to a **multi-tenant architecture**, ultimately scaling it to handle over **5 terabytes of data daily**
- Leveraged **AWS serverless architecture** to retrieve ad performance data from platforms such as **Facebook, Google, and Instagram**, using their API integrations, resulting in a **reduction of manual effort by over 2000 man-hours per month**
- Revamped the backend codebase, utilizing ORM to eliminate under/over-fetching of data from the database and achieving a substantial **30% boost in API response time** and reduced CPU usage on the database significantly

Projects

R.V.C.E Solar Car Team ([Wikipedia](#)) *Bangalore, India* **12/2015 - 01/2019**

- Co-led a team of 40 to **represent India** in the "**[World Solar Challenge 2017, Australia](#)**", a 3000 km Solar EV Race that involved competing with teams from top universities globally, including MIT, Stanford, Michigan and Cambridge
- Collaborated with **IBM Blue mix cloud** team to **integrate a machine learning model** that collected critical vehicle parameters through various sensors and predicted the optimal vehicle speed to maximize EV range

Digital Asset Management System ([GitHub](#)) *Bangalore, India* **01/2019 - 06/2019**

- Designed and developed an application using **Django** and **ReactJS** to assist social media content creators in storing, organizing, and sharing digital assets, including images, videos, and audio clips
- Implemented **Elasticsearch multiple indexing feature**, enabling complex metadata-based search use cases for digital assets

Education

Bachelor of Engineering (CGPA: 8.6 / 10) R.V College of Engineering *Bangalore, India* **2015 - 2019**

Others

- Have won multiple **[Hackathons](#)** at College and Organizational level
- Acquired certification of **[AWS Developer Associate](#)** with a score of (924/1000)
- Secured 1st position and won 1.5 lakh rupees cash prize in National Level Exhibition at Ambedkar Institute of Technology, Bangalore