Sachin Govind

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL
GPA: 8.28, B.Tech CSE
JEE MAINS: 1033
Jun 2017 | Warangal,India

XII BOARD
98.3%, Merit Rank Holder
May 2013 | Hyderabad, India

LINKS

Github:// **sacgov**
LinkedIn:// **sachingovind**

SKILLS

Microservices
Processed **>25 Billion** transactions
Nodejs, Python, Go, Java
Databases
Redis, Elasticsearch, MongoDB
MySQL, Postgresql,
Distributed systems
Kubernetes, Docker, Azure, AWS
Apache Kafka, Nginx, HaProxy
Analytics
Apache Druid, Spark, HBase, TiDB
Monitoring/ Logging
Prometheus, Fluentd, ELK Stack, Nagios
Frontend
React, Redux, VanillaJS
Familiar:
RabbitMQ, Airflow, JS frameworks,
Pandas, Numpy

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Database Management Systems
Operating Systems
Computer Architecture
Cloud Computing
Object Oriented Programming
Systems Programming
Cryptography and Security
Operating Systems
Data Warehousing and Mining
Compilers
Distributed Computing

EXPERIENCE

NIRVANA INSURANCE | Tech Lead/ Early Employee
Oct 2022 – Current | Bengaluru, Karnataka
- **Tech Lead:** Built the backend for automation of Invoice Generation, Policy creation. Worked with golang, AWS and postgres.

YELLOW.AI | Engineering Manager/ Eng. Employee #2
Jan 2018 – Sep 2022 | Bengaluru, Karnataka

- **#2 Employee:** I worked closely with the CTO to build the product from scratch. As a conversational AI provider we have scaled from **50k msgs/month to 250M msgs/month**. We process more than **4B** events a month.
- **Campaigns Module:** Grew/ Hired for the team to **13 devs over 2 years**. Conceptualised and started this. Achieved **2 Billion** Notifications on whatsApp. It is now a key business vertical. I am responsible for the customer NPS, revenue, liaising with the product, UX and other teams.
- **Realtime Analytics:** Currently leading this to provide a real time dashboard similar to google analytics. I lead this with **3 devs**. Introduced **Kafka** and Lambda Architecture. Maintained 15 Node **ElasticSearch Cluster (5B documents), Logstash pipelines and Apache Druid (20B events)**.
- **SOS Person :** I was involved in almost every production outage. Highly experienced in working under stress of outage, providing innovative solutions, evaluating trade-offs to quickly get back online.
- **Initial Infrastructure:** Helped setup almost everything in the first 2 years till we had a dedicated infra team. Azure, AWS, LBs, VMs, API Gateways, Nginx, DR setup, Mongodb, Redis, Real time messaging systems.
- **ISO 27001:** Led this effort. fortified VMs, deployed network monitoring , auditing systems, an ELK Stack.
- **K8s Executor:** Executes jobs on Kubernetes. Similar to Airflow but multi-tenant, custom built for Yellow's workflow and for simplicity.
- **No code Builder:** . Business Flows/ APIs using a drag and drop editor.
- **In-house FAAS:** Cloud functions (only nodejs), resource limits, CI/CD and debugger.
- **Monolith-> Microservices:** moved to Docker Swarm and then **Kubernetes**.
- **Monitoring/Alerting:** Setup using Prometheus, Grafana, Nagios.
- **Web Portal:** Enterprise admin portal as a part of an initial three member team using React/ Redux.

ARCESIUM (DE.SHAW SPIN-OFF) | Member Technical
July 2017 – Dec 2017 | Hyderabad, India
- Worked on Java, Spring, Tomcat, REST APIs to generate timely reports. Contributed to the reports web portal.

QUALCOMM Intern | PPO offered
May 2016 – July 2016 | Hyderabad, India
- Designed heuristics for efficient rendering of graphics on Android N leading to 30% improvement in performance at the same energy consumption.

PUBLICATIONS

[1] S. Govind, R. Tene, and L. Saideep. Novel recommender systems using personalized sentiment mining. *IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT)*, 2018.