Anuj SINGH
Senior Software Engineer

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💼 PROFESSIONAL EXPERIENCE

August 2022

Senior Software Engineer - Backend   ZEOTAP INDIA PVT LTD, Bangalore, India

> Managing the RBAC service and optimized the service responsible for role based authentication and providing eligible products and respective set of permissions. Reduced API latency down to 30%.
> Designed and implemented an ingestion service which ingests events and enhances it with first party data from user graph and attaches 3rd party attributes based on user journey through non-blocking APIs and async I/O providing a complete user profile graph to create audience for targeting marketing campaigns.
> Designed and developed the ingestion layer for non-scalar user data in graph storage to be queried linearly, also allowing enhancing, expanding or overriding original non-linear data allowing audience generation on both scalar and non scalar data.
> Managing catalogue service, worked on feature to auto detect user's data's types and their significance and suggests standard catalogs for it. Worked on service linking non-user entities with user data.

Till Date

`Java/Play` `Python/Django` `PostgreSQL` `Docker` `GCP`

July 2021

Senior Software Engineer - Backend   BYJU'S, Bangalore, India

> Worked on live classroom feature, that can accommodate up to 30k users, with full-duplex audio, video & chat communication through breakout rooms.
> Worked on CMS portal to build various features to automate content management tasks.
> Worked for tutor management services to automate tutor allocation, and notify teams in case of change required in tutor allocation.
> Worked on progress report of users by streaming data through multiple sources into centralised db and automatically triggering segregation of data and PDF generation on tests.

July 2022

`Ruby on Rails` `Golang` `PostgreSQL` `Elasticache` `Docker` `AWS`

July 2019

Software Engineer   KNOWLARITY COMMUNICATIONS PVT LTD, Gurgaon, India

> Worked on Knowlarity's core platform 'Knowlus'. Created service fail-over process from scratch to create call data records for calls that ended abruptly due to system failures, by maintaining session data cache in Redis.
> Worked on Stackless-Python based application for tasklet-based programming & optimized multi-threaded service to sync recordings and CDRs in real-time.
> Worked on FreeSWITCH (open-source application for cloud and PBX communications), used ZeroMQ and RabbitMQ messaging library for building a PUB-SUB architecture for inter process communication & SQS for communication with other services.
> Enhanced the monitoring tool which ensures that all the required processes are running as expected and trigger alerts on failure.

February 2021

`Python/Django` `C` `PostgreSQL` `Redis` `RabbitMQ` `ZMQ`

August 2018

Software engineer (Cyber Security Analyst)   COGNIZANT, Bangalore, India

> Worked on Infrastructure Security and recognising attacks from signatures and patterns.
> Detecting percentage of confidence of live firewall logs to be malicious by running it through a service trained by previously stored firewall logs from know attacks or random simulations.

June 2019

`Python` `Shell script` `Firewalls(Checkpoint)` `MySQL`

🎓 EDUCATION

B.tech, CSE 2018	Jaypee Institute of information Technology, Noida. **CGPA :** 7.7
Intermediate 2013	Lucknow Public School, Lucknow. **Score :** 86%
Highschool 2011	New Public School, Lucknow. **Score :** 76.3%

⬛ COMPETENCIES

Programming	Java, Python, Golang, Ruby, C++/C
Frameworks	Play, Django, Gin, Rails, Buffalo, Flask
Databases	PostgreSQL, BigQuery, Scylla, MySQL
Caching	Redis, ElastiCache
Queuing	RabbitMQ, PubSub, ZMQ, SQS
Cloud Platforms	AWS, GCP
Other Skills	Git, Docker, Network Security

</> PROGRAMMING LANGUAGES

Java	● ● ● ● ●
Python	● ● ● ● ●
Golang	● ● ● ● ○
Ruby	● ● ● ○ ○
C++	● ● ● ○ ○

➕ HOBBIES

> Football, Cricket
> Stock Market Trading
> Photography
> Mobile Gaming
> Watching space documentaries