

NiteshAgarwal

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SUMMARY

Technology lead, solutions architect for SOA and micro-services platform. 9+ years of experience in the industry. A seeker of new technologies and optimal solutions for complex problems and a team player.

SKILLS

Expertise in Java, Python, and go
Cloud driven distributed services architecture.
Microservices and Domain-Driven Design.
Memory Management, Heap dumps, Performance tuning
REST based Web services, Springboot, containers.
Database design, NoSQL and SQL: Cassandra, Postgres
Big Data Platforms: Redshift, Spark, Kafka
System Observability: Prometheus, ELFK stack, Open Tracing
Expertise with AWS infra and cost optimized managed services decision making.
Technical, Analytical, Logical, Sound Communication, Work Ethic, and Integrity.

Experience

2020 - Now

Jio Platforms

May 2020 - Now Bengaluru, India

Sr. Software Engineer

- Lead a team of 6 to revamp and launch the unified catalog engine. Worked on technologies like spring boot-based micro-services, uber-cadence, and kafka to manage complex cataloging workflows.
- Lead a team of 4 to move ajio-b2b-cart out of a hybris-spring-based e-commerce monolith into a java micro-service. Used stub-runner and wire-mock to create light weight integration testing pipelines that increased development productivity.
- Lead a team of 6 to develop the b2b payment engine and integrate Juspay, JioPay payment gateway, and pay later methods like Credit and EMI flow.

2019 - 2020

Moveinsync Technologies

May 2019 - April 2020 Bengaluru, India

Sr. Member of Technical Staff.

- Data-Warehouse team: Worked on building data pipelines using Spring boot, Apache Spark, and open source DAG job scheduler.
- Handled terabytes of data using AWS S3, Glacier, and Redshift and created lightweight pipelines. The data generated was around 20GB per day for 300K trips.
- Worked on building and maintaining a distributed cache of entities used across micro-services using Apache Ignite.
- Worked on increasing observability of the above systems using prometheus based metrics and distributed tracing.
- Created reporting microservice with datawarehouse as datasource.
- Lead the data-warehouse team to achieve scalable and metrics-first design.

- 2018 - 2019 **Algorhythm** March 2018 - May 2019 Bengaluru, India
Sr. SDE
- Worked on building gaming platform for online multiplayer games.
 - Worked on technologies like Kafka, Cassandra, and Golang to scale the platform to 10 million users and about 100K concurrent users.
 - Worked on the payment service, Swoo wallet and integrated with Paytm PG using Java Spring boot.
 - Worked on building games from scratch like Trivia, Candy Crush, and Teen-Patti.
 - Worked on building a scalable signaling service to send real-time data to the clients playing various games.
 - Created slack bot to automate post game tasks, like payments and rewards processing. Also created slack bot for auto-scaling and s3 operations in AWS.
- 2017 - 2018 **Swiggy** Dec 2016 - March 2018 Bengaluru, India
SDE2
- Worked on Swiggy cart redesign and payments module. Integrated Layer for post-order customer support chat.
 - Worked with the mobile team in designing scalable end user solutions on the swiggy application platform.
- 2015 - 2017 **Stayzilla** Feb 2015 - Dec 2016 Bengaluru, India
SDE
- Worked on horizontally scaling the chat backend which was used to facilitate guest-host communication on the platform with pushpin and python tornado.
 - Built chat sdks for ios and android. Setup deployment and ci for the chat backend.
 - Worked on developing a presentation layer microservice in golang.
 - Contributed to the legacy booking and post booking monolithic code base.

Education

- 2010 - 2014 **B Tech in Electronics Engineering** NIT Rourkela
- 2019 - 2021 **MSc in AI/ML** IIIT Blr and LJMU
Grade: Distinction

Academic Projects

- 2020 - 2021 **AI/ML: LJMU** Supervised by Ms. Shiksha
Fake News Detection: Proposed a Graph Convolutional Neural Network based method to detect fake news on Twitter data. The novel model detected fake news with an accuracy of up to 96% using only 30% of data for training.
- 2012 - 2013 **Machine Intelligence Unit: ISI Kolkata** Supervised by Dr. Ashish Ghosh
Moving object detection: Moving object detection in dynamic background situations using the Wronskian Based Change Detection Model. An application using C++ and Qt5, mainly for surveillance systems and research purposes.
- 2013 - 2014 **NIT Rourkela** Supervised by Professor U.K. Sahoo
Proposed a publish-subscribe based communication model based on information extraction using nltk python library.
- 2012 - 2013 **NIT Rourkela** Supervised by Professor S.K. Patra
Intel 8086 online simulator using node.js.