Bangalore, Karnataka, India 560076   **SHAILESH SINGH**   (+91) 7014765259 | shailesh@mit.tc

INTRODUCTION

Accomplished full stack expert with experience of creating end2end products. Creative & dynamic problem-solver with proven expertise in consistently devising quality products. Adept at working effectively to achieve goals both as a cross-functional team member & individual contributor. Leverages exemplary communication & collaboration to deliver on time.

PROFESSIONAL SUMMARY

- Having sound experience in Architecture, Design, & Development of large-scale software systems.
- Strong programming skills in Java & Python.
- Strong knowledge of Data structure & Algorithm Design.
- Design & Development for large-scale distributed systems.
- Hands-on with OOAD, Design Patterns, Software Architecture Design & Software Development Life Cycle.
- Sound knowledge of Micro Service Architecture, Kafka, Hive, NoSQL DB, & Distributed cache Redis.
- Experienced in Micro Services & RESTful APIs.
- Specialized & hands-on to database design.
- Hands-on experience with Git, GitHub, & Bitbucket.
- Working on agile/scrum methodology.
- Experienced in backend development for distributed systems.
- Good understanding of Containers, VMs, & container-based tools like Docker & Kubernetes.
- Experience on leading the scrum i.e. Scrum Master, leading the multiple projects simultaneously.

EMPLOYMENT

SDE-2 / Backend Architect   Reliance Jio   Aug'20 - Present

- Covid-Pass As A Service – Developed the package for health tracking & covid management of employees to be sold as SAAS product to corporates as a Return to Work solution. 11 larges Manufacturing sites, 13 RF schools, ISL & IPL are on-boarded & being served. Built Jio COVID app which served more than 2 million users daily.
- Vaccination As A Service – Worked on the package for health tracking & vaccination management of employees & family, to be sold as a SAAS product to corporates. More than 7 million employee & family of corporate partners are on-boarded & being served.
- Data Platform – Built Data pipelines & data lake warehouse for collection of all the user generated data. This PII stripped data repository gets used for dashboards, BI, training AI/ML models & collaborations.
- IOT Platform- Developed system for handling huge data flowing in from fitness bands & IOT devices. Extended this to derive & serve insights out of it.
- Knowledge Platform – Designed & Developed Health knowledge platform for insights, co-relation understanding, multi-lingual support (up to 10 languages) & backed driven app config. built an extensive knowledge graph & data processing infrastructure at scale to power comprehensive & accurate data science services.
- Centralized Event Platform – built a real-time event processing infrastructure & analytics platform at scale for tracking user behavior & application performance metrics from millions of end-users across various Jio products. It enables product innovation via experimentation/exploratory analysis, & personalization & recommendation.
- Infrastructure – Worked closely with Resource Provisioning, CI/CD, containerisation, auto-scaling, fault tolerance & disaster recovery of the whole Jio Health Setup.

Senior Software Engineer   Machadalo   May'19 – July'20

- Responsible for end to end development of one of the critical product called Campaign Intelligence tool which was a visual business intelligence tool that analyses the leads & sales data such that brands could take the informed decisions through various metrics.
- Single handily developed campaign management & campaign execution platform applied to BTL domain.
- Developed & deployed ML models to solve business problems related to computer vision.

Software Engineer   Jana Care Inc   May'17 – May'19

- Designed & developed diagnostics & disease management tools for people with or at risk for diabetes & related chronic conditions. Optimized queries for time consuming API's.
- Built an internal data analytics tool to enable data driven customer success & to guide product decisions which helped to know degradation of devices, provided data to back new product features & engineered data pipelines to support internal dashboards.
- Worked closely with Operation & R&D team to understand data sources for BI use, provided high level architecture of the data necessary to efficiently query the information required for internal projects.

Technologies Competencies

- Core language – Java, Python, JavaScript
- Backend Framework- Django, Flask, FastApi, NodeJS, Spring Boot
- Databases – MySQL, Mongo, PostgreSQL, Redis
- Infrastructure – AWS, GCP, Azure, Heroku
- Others – Nginx, Gunicorn, Jenkins, Docker, Kubernetes

EDUCATION

Pilani, India   BK Birla Institute of Engineering & Technology, Pilani   July'13 – May'17

- Bachelor of Technology in Computer Science & Engineering. CGPA: 7.5/10
- Main coursework: Data Structures, `Design & analysis of Algorithms, Computer Architecture, Artificial Intelligence, Database Systems, Operating Systems, Software Engineering.

ACHIEVEMENTS & RESPONSIBILITIES

- Awarded for Excellence twice at Jio, one given for extraordinary performance in a quarter.
- Got Excellence Award twice in Jana Care, one given for extraordinary performance in a quarter.
- Qualified the prestigious JEE Advance'12 & was among top 0.4% of about 5M students that appeared, with AIR 4292.
- Qualified twice for the ACM-ICPC Onsite Regional's at Gwalior & Coimbatore Site.

RESEARCH & PUBLICATION

Published: Automated License Plate Recognition: Abstract – ALPR is the task of extracting vehicle registration plates & labelling it for its underlying id entity license. It uses OCR on images to read symbols present on the license plates. Refer to the Paper here.

PROFILES

LinkedIn | GitHub | HackerRank | Hackerearth | Spoj | Twitter | Facebook | Leetcode