Saurabh Singh

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EDUCATION

IIITDM
B.Tech in Mechanical Engineering
Kancheepuram, IN

LINKS

Github:// **tensor-14**
LinkedIn:// **saurabh-singh-in**

SKILLS

PROGRAMMING LANGUAGES
C# • Java • Golang
C++ • JavaScript

TECHNOLOGIES
SpringBoot • .NET Core
.NET Framework • NextJS
React • Microservices
Docker • Kubernetes
AWS • Azure

DATABASES
MySQL Server • SQL Server
MongoDB • PostgreSQL
Kafka • RabbitMQ

TOOLS
GIT • Netcat • Wireshark • NMAP
Visual Studio • Vim • IntelliJ

SERVERS
NGINX • IIS • Bind9

COURSEWORK

CERTIFICATIONS
Google's IT Automation with Python
Mathematics for Machine Learning
Machine Learning
Deep Learning Specialization
NLP Specialization
Tensorflow Developer

UNDERGRADUATE
C Programming Language
DBMS
Data Structures and Algorithms
Robotics
Sensors
Operations Research
Machine to Machine Communication

EXPERIENCE

FIELDASSIST PVT. LTD. | Software Engineer
August 2023 – Present | Gurugram, Haryana

- Improved application performance by 40% using methods like caching, HTTP Compression, and Pooling
- Revamped services to incorporate Data Structures and associated algorithms to perform 37% better and reduce bugs by 20%
- Teamed with DevOps Team in moving proprietary datastores and databases to open-source(Kafka, Redis, PostgreSQL) to reduce tech cost by 15%
- Devised Torrent Protocol based configuration upgrading network, reducing manual effort by about 80%

SOFT CORNER PVT. LTD. | Backend Engineer
March 2023 – July 2023 | Pune, Maharashtra

- Composed and managed automated CI/CD framework which cut manual intervention by over 80%
- Engineered a hybrid architecture for the Tax Calculation System, utilizing Test-Driven Development resulting in a 40% reduction in bug reports during initial launch

ONEBANC TECHNOLOGIES PVT. LTD. | Backend Engineer
July 2021 - December 2022 | Gurugram, Haryana

- Spearheaded the engineering and implementation of scalable backend components, with system uptime to 99.9%
- Collaborated with the Infrastructure Team to architect a robust non-premise DMZ server system, achieving an uptime of over 99.9% during initial testing phases
- Collaborated with Marketing Team to run marketing camps and improve SEO rank of website leading to increase in reach by 40% and improve credibility

PROJECTS

DISTRIBUTED FILE SYSTEM
January 2024 – February 2024

- **Tech Stack :** GoLang, Torrent Protocol
- Designed and developed a Peer 2 Peer Network Distributed File System
- Integrated Torrent Protocol into the distributed file system, enabling seamless accessibility of files across a network and enhancing download speeds by an average of 30% for users

RELIABLE IDENTITY GENERATION FOR DISTRIBUTED SYSTEM
August 2023 – October 2023

- **Tech Stack :** Java, MySQL
- Designed 64 bit identification number using server ID and data center ID, with added time and sequence elements to avoid collisions
- Implemented an efficient architecture with optimized resource allocation that improved response times by 40 milliseconds per request

ACHIEVEMENTS

June 2019	State	Cricket Club Open Challenge Winner
January 2017	National	Indian National Physics Olympiad (INPhO) Finalist
January2017	National	Indian National Mathematics Olympiad (INMO) Finalist