Siddharth Bhatnagar

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EDUCATION

MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY
B.Tech in ECE
CGPA: 8.8 / 10
2018-2022

ST. CONRAD'S INTER COLLEGE
ISC Board (Class XII)
Percentage: 90%
2017

ICSE Board (Class X)
Percentage: 94%
2015

LINKS

Github:// siddharth-bhatnagar
LinkedIn:// siddharth-bhatnagar
Leetcode:// siddharth-bhatnagar
Portfolio: // siddharth-bhatnagar

COURSEWORK

UNDERGRADUATE
Data Structures & Algorithms
Object-Oriented Programming
Operating Systems
Database Management Systems
Computer Networks

TRAININGS
Android App Development
Complete Web Developer Bootcamp

SKILLS

PROGRAMMING
Experienced:
• Java • Git
• NodeJS • Kafka
Intermediate:
• AWS • Linux • ElasticSearch
• Kibana • ReactJs • CI/CD
• MongoDB • PostgreSQL
• Memgraph • Grafana
• Gradle/Maven • SpringBoot
• Distributed Systems
Familiar:
• Go
• ArgoCD
• Jenkins

EXPERIENCE

BRANE GROUP | Software Engineer (ASL)
April 2023 - Present | Bangalore | Platform Architecture Team

- Led a four-member team to **develop the Mapper Engine** and **integrate it with 40+ Adapters** allowing **seamless external-to-internal data mapping**.
- **Enhanced the Mapper Engine by implementing** support for **if-then-else expressions**, improving functionality.
- Built a **high-throughput Kafka-based streaming database** to perform **real-time transaction data analysis**, achieving **50% improvement** in monitoring system behavior.
- Reduced system **bandwidth utilization upto 67%** by **adopting Avro serialization format** & **schema registry** for Kafka messages, **resulting** in a **3x improvement** in system **performance**.
- Developed a **real-time dependency analyzer tool** using **Kafka Streams API**, **MemgraphDB** for storage/fast retrieval of hierarchical NSL constructs, **JobRunr** for scheduled writes, and **React JS** with **Orb** for **graph visualization**; exposed functionality via **RESTful APIs**.
- Scaled the Kafka streaming application to process over **1M+ transactions** by **optimizing partitioning strategies**, and **fine-tuning consumer configurations**.
- Addressed and closed **250+** on-call support **tickets**.

AMAZON | System Development Engineer 1
July 2022 - March 2023 | Bangalore | Selling Partner FinTech Org

- Implemented Cloud Infrastructure to **ingest 0.1M events/day** from external services in an **SQS** & process with **AWS Lambda**, storing payment artefacts in **S3** & **DynamoDB**.
- Configured **AWS CloudWatch** to track system performance metrics through **dashboards**, **alarms** and **monitors**.
- Led **UX upgrade** in **Mexico** marketplace with **launch** of **integrated invoice listing** feature, enabling a unified experience across invoice creation/ingestion channels.
- **Optimized vendor contact handling** by automatically redirecting Amazon vendors experiencing currency mismatch and draft shipment errors to the right channels, resulting in a **12%** decrease in contacts.
- Conducted **security analysis** on **Address Service API** calls for risk of Insecure Direct Object Reference **(IDOR)** vulnerability to mitigate risks.
- **Optimized system's performance** by **resolving 20+ tickets** within first on-call, **raising** the team's overall **ticket score** to **98%**.

HASHEDIN BY DELOITTE | Software Engineering Intern
March 2022 - June 2022 | Remote | Certificate

- Completed a **5-week Bootcamp**, honing skills in **CI/CD**, **Docker**, **Spring Boot**, **Spring Security**, and **microservice architecture** through hands-on project building.
- Developed a **Full Stack marketplace application** in a team of 3 members for farmers, suppliers and consumers to facilitate the buying/selling of raw materials and crops using the **MERN** stack and **Firebase** for authentication.
- Wrote **5000+** lines of code.