Mousam Saikia

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Education

- **University at Buffalo, The State University of New York.**   *February 2021 - December 2022 (~ 2 years)*
  Master in Computer Science
  Courses: Analysis of Algorithms, Distributed Systems, Database Systems, Data Model Query Language, Introduction to Machine Learning, Blockchain, Modern Networking Concepts.

- **Sikkim Manipal Institute of Technology, India.**   *August 2012 - August 2016 (4 years)*
  Bachelors in Information Technology
  Courses: Data Structures & Algorithms, RDBMS, Object-Oriented Programming Concepts, Software Engineering.

Skills

Languages: Python, SQL, Scala, Java, Javascript, Swift 5.
Frameworks: Spring boot, Hibernate, React JS, Apache Spark.
Databases: Postgres, Oracle, MySQL.
Technologies: Certbot, Git, Docker, Kafka, Postman, Photoshop, and After Effects.

Professional Experience

- **Cognizant**   *March 2019 - May 2020*
  Programmer Analyst
  - Developed and optimized Oracle PL/SQL scripts to improve load times by 40% in the database.
  - Automated manual data uploads and enhanced existing data load processes for a data warehouse.
  - Successfully migrated data load jobs from Autosys to Control M which improved server uptime by 20%.
  - Developed user reports in SAP BI to identify and correct data inconsistencies.
  - Creation of technical documents at different phases of deployment.

- **Capgemini**   *September 2016 - March 2019*
  Associate Consultant
  - Worked with developing new features using Oracle PL/SQL for a web dashboard for aggregating pharmaceutical data.
  - Automated error detection and implemented an auto alerting system for the same which reduced incident response times by 15%.
  - Improved existing code quality and ensured adherence to quality practices (SOX).
  - Made a training website from scratch with PHP for new joiners.

Projects

- Docker compose viz GUI with Springboot and React. With backend on EC2 certified with letsencrypt and frontend hosted on Github pages (https://mousam33.github.io/dockerViz/).
- Made a health monitoring app UI using Swift 5, backend with Springboot, and Postgres. Hosted on Amazon AWS EC2 and RDS. Exposed REST endpoints to perform CRUD. For project development (CSE611).
- Made a blockchain (CSE526) marketplace using Solidity and React hosted on Ropsten. Experienced with using Truffle and Ganache.
- Contributed to making a web chat application with P2P file-sharing capabilities using C++ for Modern Networking Concepts (CSE589).
- Made a Pub/Sub system using Docker with Apache Kafka implementing centralized and rendezvous brokers for Distributed Systems (CSE586).
- Published my research about Data encryption and compression using Java. (https://doi.org/10.1007/978-981-15-1624-5_12)
- Made database query and optimization logic with a minimal spark framework based on Scala for Database Systems (CSE562).