MD FARAZUL HAQUE

+91-7596885401 | mdfarazhaq@gmail.com | linkedin.com/in/farazulhaque | gihub.com/farazulhaque

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Summary

Expert Software Engineer with skills in requirement definition, release management and code debugging. Innovative and creative in developing fresh designs to meet current and forecasted needs. Works great with technical and non-technical teams to co-ordinate on-time, quality releases.

Experience

Software Engineer   **05/2022 to Current**
ARC Document Solution   **Kolkata**

As a Software Engineer at ARC Document Solution, I played a pivotal role in enhancing system reliability and optimizing performance in both staging and production environments. Key achievements include:

- **Transitioned** from paid **Ambari** Managed Hadoop Cluster to **self-managed solution**, optimizing costs.
- **Implemented** Hadoop High Availability cluster on HBase for **enhanced system resilience** and cost-effective production code deployment.
- Successfully **migrated data** from outdated HBase cluster to modernized environment for uninterrupted operations.
- **Spearheaded** automation of cluster maintenance using **Ansible scripts**, reducing manual workload.
- Engineered cost-effective **Java codebase** for search functionality in **AWS Lambda** triggered by SQS queue messages.
- Demonstrated expertise in **cost optimization** and efficiency enhancement for achieving business objectives.
- Utilized **Solr** for efficient searching and indexing across ARC ecosystem products.
- **Revitalized** decade-old UMQ codebase, upgraded libraries, created **RabbitMQ, Redis, and MySQL clusters**, and migrated data.
- Developed **monitoring tool** using **Spring Boot** for enhanced team efficiency and database access.
- Conducted **research and development** on JanusGraph, created **Java Spring Boot code** for MySQL data migration, and worked on **Gremlin queries**.
- Worked on **Elasticsearch**, creating **data mappings** for optimized retrieval and storage.
- Expertise in **Java, Spring Boot, Hadoop HDFS, HBase, Solr, Ansible, AWS Lambda, AWS SQS, RabbitMQ, Redis, and MySQL** through hands-on experience.

Subject Matter Expert (CSE)   **08/2020 to 05/2022**
Chegg India

As a Subject Matter Expert at Chegg India, I played a pivotal role in providing comprehensive assitance to students globally. Key achievements include:

- **Specialized** in resolving programming and theoretical doubts with expertise in **Java, Python, HTML, CSS, JavaScript, C, C++, and Bash Script**.
- **Successfully addressed** queries for nearly **1400 students**, demonstrating a deep understanding of diverse programming languages and technologies.

Skills

Java	Spring Boot	Docker	RabbitMQ	Bash Script
Python	Hadoop HDFS	Ansible	MySQL	Elasticsearch
HTML	HBase	AWS Lambda	Microsoft Excel	Janusgraph
CSS	Solr	AWS SQS	Cassandra	Gremlin

Certifications

- Programming with Java, NPTEL
- Programming with Python, upGrad
- Certificate Course in Programming with Python, NIELIT India

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Education

M.Tech: Software Engineering   **06/2022**
Babasaheb Bhimrao Ambedkar University   Lucknow
- GPA: 8.19

Post Graduate Diploma: Advance Computing   **05/2022**
Centre for Development of Advance Computing (CDAC)   Patna
- Percentage: 85.00

Post Graduate Diploma: Computer Programming   **05/2022**
Aligarh Muslim University   Aligarh
- Percentage: 71.50

B.Tech: Computer Science Engineering   **11/2020**
Aliah University   Kolkata
- CGPA: 7.02

Projects

- **Pharmacy E-Commerce Website** (February 2022 - March 2022):
  - Developed a Java appliction using Spring Boot for backend, JSP for frontend, and MySQL for database for our pharmacy e-commerce web portal.
  - Facilitated timely delivery of medicines by connecting local medical shops and customers, maximising reach and ensuring quick service.
- **Remote Linux Server** (September 2020 - October 2020)
  - Created user friendly web app using HTML, CSS, and Python with Linux for backend operations.
  - Implemented security features such as three attempt login limit and disabled input boxes after unsuccessful attempts.
  - Supported basic and advanced Docker commands, enhancing usability and functionality for remote server management.
  - Enabled file manipulation remotely, including opening files with gedit and viewing file content using Linux commands.
- **Voice-Based Assistant** (July 2020 - August 2020)
  - Implemented a voice responsive assistant using Python, enhancing user interaction and control.
  - Incorporated secure login with a three attempt limit, automatically terminating the application upon failure.
  - Enabled diverse functionalities such as displaying current time and date, opening social media platforms, email and code repositories.
  - Integrated entertainment features like playing music, creating versatile and user friendly voice-based assistant.