ASMA SIDDHIQUA MOHAMMAD

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SKILLS SUMMARY

- **Programming Languages:** Java, TypeScript, C, Python
- **Web Development:** Spring Boot, MySQL, MongoDB, Angular, ReactJS, HTML, CSS
- **Cloud Technologies:** GCP, OCI, AWS (S3, EC2, SNS, SQS)
- **DevOps:** Jenkins, Docker, Kubernetes, Maven
- **Version Control:** Git, GitLab, Bitbucket, GitHub
- **Agile Workflow Tools:** Jira, Confluence, Scrum, Kanban, SDLC
- **Development Tools:** Postman, Linux, IntelliJ IDEA, VS Code
- **Testing Frameworks:** JUnit, Mockito
- <u>**Certifications:**</u> Oracle Cloud Infrastructure (OCI)

EXPERIENCE

Graduate Teaching Assistant | Southern University and A & M College   *Baton Rouge, Louisiana, U.S.A | Aug 2023 – Present*
- Assisted Prof. Dr. Sudhir Trivedi in teaching Object-Oriented Programming, significantly enhancing student comprehension with 15 tailored lab session recordings on Moodle, facilitated by Azure VM for practical sessions.

Senior Software Engineer | Publicis Sapient   *Hyderabad, Telangana, India | Feb 2022 – Jun 2023*
- Developed 25 APIs using Swagger/OpenAPI and secured them with OAuth2.0 token-based authentication via Spring Security.
- Boosted MongoDB efficiency by 2x through script refinements and comprehensive indexing, resulting in reduced query response times. Additionally, integrated an asynchronous API via Google Pub/Sub, leading to instant data synchronization across platforms.
- Orchestrated seamless migration of critical applications to Google Cloud Platform (GCP), leveraging GCP's managed services for scalable infrastructure, which ensured a 99.9% uptime and enhanced global accessibility.
- <u>**Tech stack:**</u> Spring Boot, Java 8, Microservices, Angular, MongoDB, GCP, Docker, Google Pub Sub and Kubernetes.

Software Engineer | CGI   *Hyderabad, Telangana, India | Feb 2021- Feb 2022*
- Leveraged Spring Boot to transition to microservices, cutting web application response times from 25 to 8 seconds and increasing user load capacity by 40%.
- Optimized web scraper performance, reducing runtime from 19.2 to 7 minutes using multithreading. Implemented CI/CD pipelines for faster, reliable, and consistent deployments, streamlining workflows and enhancing project efficiency.
- Leveraged Java 1.8 features like Lambda expressions for more readable and concise code, and implemented builder and prototype software design patterns to enhance code reusability, and mentored 5 interns, improving team capabilities.
- <u>**Tech stack:**</u> Angular, Java 8, Spring Boot, Microservices, Hibernate, JUnit, Mockito, Jenkins and Splunk.

Software Engineer | Cyient   *Hyderabad, Telangana, India | Sep 2017 – Feb 2021*
- Led the development of a Full Stack Web application for Boeing, crafting reusable Angular TypeScript components and Spring Boot RESTful Microservices, achieving efficient deployments and handling over 10,000 daily user requests.
- Gained hands-on experience with RabbitMQ message brokers, integrated Hibernate ORM for database mapping, and conducted technical research and design for Angular projects.
- <u>**Tech stack:**</u> Angular 4, Java 8, Spring Boot, Microservices, Hibernate and RabbitMQ.

PROJECTS

- **Grower Portal**   **Java, Spring Boot, ReactJS, MySQL, GCP, Docker, and Hibernate**
  Developed a farmer-centric web portal enhancing rice cultivation, increasing productivity by 30%, and improving water efficiency for 500+ farmers through advanced tracking and personalized guidance.
- **Secured Peer to Peer File Distributed System**   **Java, AES Encryption, Multithreading, OOPs paradigms**
  Built a distributed file system enabling users to perform file operations and restore files, with 12.2 sec for 60k create requests and 5.6 sec for 30k read requests benchmarks.

EDUCATION

- **Southern University and A&M College**   *Baton Rouge, Louisiana, United States | Aug 2023 - Present*
  *Master of Science - Computer Science (MSCS) - (**CGPA 4/4**)*: Web development, Data Structure and Algorithms, Databases
- **Jawaharlal Nehru Technological University**   *Hyderabad, India | Aug 2013 – May 2017*
  *Bachelor of Technology – Information Technology (**CGPA: 8 /10**):* Operating Systems, Object-Oriented Programming

ACHIEVEMENTS

- Winner of the "**Judges' Choice Award - 4th Place**" at the **BE Smart Hackathon 2023**, conducted by American Airlines and Black Enterprise at Dallas, TX.
- Presented a paper on Sixth Sense Technology at the **Indian Institute of Technology, Madras**.
- Achieved top 10 ranking out of 100+ teams in **CGI hackathon** for developing Chabot.