SABA RUHEE JAGIRDAR

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SUMMARY

Experienced Full Stack Software Engineer with 4+ years of experience in web development. Proficient in developing scalable and complex features using **Python**, **Java**, **React**, **MongoDB** and **AWS** technologies.

EDUCATION

The University of Texas at Arlington, Arlington, TX   Aug 2021 — May 2023
Master of Science in Computer Science   **GPA: 4.00/4.00**
Courses: Advanced Software Engineering and Databases, Distributed Systems, Web Development, Data Structures and Algorithms.
Graduate Teaching Assistant: Assisted with implementing gRPC and socket programming for computer network protocols.

Jain College of Engineering, Karnataka, IN   Aug 2012 — Jun 2016
Bachelor of Engineering in Computer Science

SKILLS

Languages:	Python, Java, TypeScript
Web Development:	ReactJS, NodeJS, RESTful APIs, Flask, HTML5, CSS3, JavaScript
Databases:	MongoDB, MySQL, PL/SQL, OracleDB
Cloud:	AWS (EKS, EC2, S3, IAM), Azure (App Service, Blob Storage)
Tools:	Jenkins, Docker, Kubernetes, Adobe Photoshop, Git
Certifications:	AWS Certified Solutions Architect

WORK EXPERIENCE

University of Houston   Jan 2024 — Present
Application Developer III   San Jose, CA

- Developed an Access Request Security Platform using **ReactJS**, resulting in ~**45%** reduction in administrative overhead.
- Automated role assignments by writing **Python** scripts, saving nearly 16 hours of manual entry each week.
- Optimized query performance by implementing indexing and efficient **SQL** strategies, achieving a **25%** reduction in execution time.
- Developed **Java** API to ensure that newly on-boarded staff members data was sent to the HR department by the end of each month.

Thomson Reuters (through Ascent Staffing Solutions)   May 2018 — Jul 2021
Software Developer   Bangalore, IN

- Developed an Advanced Search Filter using component-based architecture in **ReactJS**, enhancing UI performance and page load optimization by **14%**.
- Built an internal tool that converts plain text into code format using **JavaScript**, accelerating landing page development by **30%**.
- Optimized API performance built in **Java** by **18**%, increasing data loading efficiency between two core applications at Thomson Reuters. This data powers the daily top 10 news.
- Played an active role in migrating an internal application from **Kubernetes** based architecture to AWS using **AWS EKS**.
- Integrated **Google Ads** and **Google Analytics** by collaborating with PM and UX teams this led to increase in revenue by **16%**.
- Migrated a large volume of sensitive legal data from Drupal 8 to Drupal 9, utilizing Drupal security services and adhering to OWASP security standards, while optimizing the overall system performance for enhanced efficiency and security.

PROJECTS

Walmart
Designed and developed an on-campus e-commerce website allowing students to purchase everyday essentials and make payments using the **Stripe** gateway. Built RESTful services with a **300ms** response time and deployed it on **AWS**.
TechStack: **ReactJS**, NodeJS, MongoDB, Express, AWS, Canva, Figma, HTML5, CSS3, JavaScript

IMDB
Developed a comprehensive movie review application enabling users to submit and view movie reviews. Implemented user authentication and authorization with **CSRF** tokens to prevent cross-site request forgery attacks.
TechStack: **Java Spring Boot**, ReactJS, Azure, MongoDB, HTML5, CSS3, JavaScript

G Drive- A Cloud Storage Application
Developed a reliable cloud storage system using distributed systems principles that allows users to create, read, update and delete files stored in the cloud storage. Implemented concurrent programming and multi-threading techniques to minimize downtime. Followed Agile methodologies, managing tasks and sprints using Jira for efficient project tracking and collaboration.
TechStack: **Java**, Socket Programming, Semaphore and Locks, Critical Section, Multi-threading, UTA On-Premise Cloud