SOUYAMA DEBNATH

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SUMMARY

Self-motivated, organized, and efficient software developer with relevant technology exposure in cloud. Tech-savvy with experience in application development, architecture design and analysis with passion for learning new skills or exploring new domains. Values collaboration and innovation.

SKILLS

- **Languages**: Java, Python, JS
- **VCS:** Git, GitHub
- **Frameworks** & **Libraries:** Spring Boot, Hibernate, React, Flask
- **Cloud:** AWS (S3, RDS, ELB, EKS, MSK, ElastiCache, Lambda)

- **Databases:** SQL, Redis, MongoDB
- **Containers:** Kubernetes, Docker
- **IAC:** CloudFormation, AWS CDK, Terraform
- **Others:** JPA, Kafka, Linux, Keda, Prometheus, Shell, Grafana, Jira, Copilot

EXPERIENCE

2021 – CURRENT
ASSOCIATE CONSULTANT, ATOS

- ➢ Contributed in code **design**/ analysis, **strategy** development and **project planning**
- ➢ Contributed in the development of **FTR** document (AWS Foundational Technical Review) for the application, which has been accepted by **AWS**
- ➢ Contributed in development of **event driven microservices** with **Kafka** and **Spring Boot**
- ➢ Developed application dashboard with **NextJS**
- ➢ Configured **autoscalers** and fine-tuned **Kubernetes** applications using **Keda** and **Karpenter** which resulted in costs reduction up to 60%
- ➢ Migrated application deployment pipeline to **Terraform** which reduced deployment time by around 40%
- ➢ Supported in development of CI/CD pipelines with **GitHub Actions**
- ➢ Performed **performance optimization** and implemented bug fixes for **Kafka** application such as **message loss** or **duplication** and **long rebalances**
- ➢ **Mentored** newly onboarded team members and brought them up to speed on development and testing through containerization

CERTIFICATIONS

- Azure 900 – Microsoft
- DevOps Essential - A Cloud Guru
- Data Analysis with Python - FreeCodeCamp

EDUCATION

2017 – 2021
BTECH – INFORMATION TECHNOLOGY, SILIGURI INSTITUTE OF TECHNOLOGY
Graduated with 8.61 GPA.

2015 2017
BSF SENIOR SECONDARY SCHOOL, KADAMTALA

2015
ALPHONSA SCHOOL, KALAMJOTE

HOBBIES & INTERESTS

- Game Design (for example procedural map generation)
- Reading (such as technical blogs)
- Gaming
- PC Building (assembling, overclocking, jury rigging)

STRENGTHS

- Very Fast Learner
- Good Communication
- Team Player
- Agile
- Deep & Broad Technical Expertise
- Polygot Developer

PERSONAL PROJECTS

2020
CONCURRENT DATA SCRAPPER
Event driven application that scraps websites or API endpoints based on implemented interface and saves them into a shared volume. Standard rate or access limiters are bypassed as internet requests are routed through VPNs created in custom Linux network namespace.

2021- CURRENT (WIP)
MULTI LANGUAGE SEARCH ENGINE FOR USER DOCUMENTS
Search engine for local documents that can be in any language. The AI model is trained to perform vectorization of text contents. The mapping for the vector to content is stored in an RDS, and for any search queries- we compare the existing contents using ANN (approximate nearest neighbor) search algorithm.