

SAMIM AFTAB AHMED

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WORK EXPERIENCE

Senior Software Engineer *Infosys Limited* Sep 2023 – Present

- Working for the client Truist Financial Corp. on their Product Arena, which is a Data Operations Software.
- Developed the core services for secure secrets storage in HashiCorp Vault.
- Performed spikes studying HashiCorp Vault's feasibility with Arena, mainly the Secret engine, KV engine and Cubbyhole engine, with continuous interactions with the Architects.
- Migrated the obsolete Hibernate specific implementations to JPA specific implementations, while upgrading the Product to Spring Boot version 3.
- Resolved multiple SonarQube reported bugs to improve code reliability, thereby achieving the reliability score of A for the Arena codebase.
- Resolved SAST bugs reported by Veracode on vulnerable libraries and dependencies, to improve product security.
- Mentored 5 of our junior team mates by providing KT sessions about the Product, especially the DB Provision, DB Import and File Ingestion feature, and the Technologies used, with guidance during development.

Senior Software Engineer *Zaloni Technologies India Private Limited* Feb 2022 – Aug 2023

- Worked on the Product Arena (as mentioned above) which was Zaloni's product before its acquisition by Truist.
- Enhanced the password encryption service with per workflow basis Encryption Key and deleting it post execution, thereby enhancing the security of the passwords stored in the database.
- Implemented ServiceNow approval gate in the Data Provisioning feature, through which users require an approval from the owner of the Dataset for provisioning to any destination.
- Upgraded the Spark based actions to execute on Apache Spark version 3.
- Worked on creating and setting up Microsoft Azure service principal app, using which spark jobs can be submitted to an Azure Databricks cluster.
- Added Google BigQuery support to the Database Provisioning feature.

Software Engineer *Zaloni Technologies India Private Limited* Aug 2020 – Jan 2022

- Developed the Password Validation mechanism based upon NIST option 5 standards, for improved password security for users.
- Added SAP HANA support to the Database Provisioning and Database Import feature.
- Developed the Rule Generation and Rule Execution module of the Event-based Workflow Trigger feature which allows the execution of a workflow on a tumbling window basis, triggered by events set as pre-conditions.
- Performed spikes studying the feasibility of RedHat Drools with Arena for Rule Generation and Rule-based executions.
- Owned and maintained the Event-based Workflow Trigger feature.

Software Engineer *Shass Information and Quality Engg. Services* Oct 2017 – Apr 2019

- Revamped the frontend and backend of a Spring Boot web application named Siqestrip, which deals with flight and hotel booking, with exclusive holiday packages.
- Introduced the ElasticSearch functionality in airport and city name suggestion, which significantly increased the throughput of the function.
- Introduced the social login functionality where users can register and login using their Facebook accounts.
- Implemented single page filter functionality using core JavaScript and HandlebarsJS which significantly reduced the time taken to filter the search results by executing the operation on the client side.

TECHNICAL SKILLS

Proficient in : Java 8 and 17, Spring (Boot, Config, Security, Cloud, MVC, WebFlux, JPA), HashiCorp Vault, Drools, Liquibase, HandlebarsJS, HTML, CSS.

Familiar with : Apache Spark, Hadoop, MapReduce, Cloudera CDP and CDH, Ranger, Hive, Azure (App, VM, ADLS, Databricks), AWS (EC2, S3, RDS), Angular, JavaScript, MySQL, ElasticSearch.

ACHIEVEMENTS

- Received Infosys InstaAward Feb'24, for the contributions made while integrating HashiCorp Vault with Arena.
- Won the Best Performing Scrum Team Award at Zaloni on Nov 2021 for team "Protean".

EDUCATIONAL QUALIFICATION

- MCA from NERIM Group of Institutions under Dibrugarh University in 2019 with 69.76 %.