

# SAMIM AFTAB AHMED

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## WORK EXPERIENCE

### Senior Software Engineer

Sep 2023 – Present

*Infosys Limited*

- Working for the client Truist Financial Corporation 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 multiple 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

Feb 2022 – Aug 2023

*Zaloni Technologies India Private Limited*

- Worked on the Product Arena (as mentioned above), which was Zaloni's flagship product before its acquisition by Truist Financial Corporation.
- 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

Aug 2020 – Jan 2022

*Zaloni Technologies India Private Limited*

- 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

Oct 2017 – Apr 2019

*Shass Information and Quality Engg. Services*

- Revamped the frontend and backend of a Spring Boot web application named Siqestrip, which deals with flight and hotel booking.
- 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, Apache Spark, Drools, Liquibase, HTML.

### Familiar with:

Scala, Hadoop, MapReduce, Cloudera CDP and CDH, Ranger, Hive, Azure (App, VM, ADLS, Databricks), AWS (EC2, S3, RDS), JavaScript, Angular, CSS, HandlebarsJS, Elasticsearch, MySQL.

## ACHIEVEMENTS

Received Infosys InstaAward 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 69.7%.

BCA from Central IT College under Sikkim Manipal University in 2013 with 70.1%.

AISSCE (12th) from Kendriya Vidyalaya in 2010 with 53%.

AISSE (10th) from Purvanchal Vidyapeeth in 2008 with 72.6%.