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| Samim Aftab Ahmed | | | |
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| **Work Experience** | |
| **Senior Software Engineer**  *Infosys Limited* | Sep 2023 – Present |
| * 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. | |
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| **Senior Software Engineer**  *Zaloni Technologies India Private Limited* | Feb 2022 – Aug 2023 |
| * 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. | |
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| **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. | |
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| **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. * 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. | |

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| **Technical Skills** |
| **Proficient in:** |
| Java 8 and 17, Spring (Boot, Config, Security, Cloud, MVC, WebFlux, JPA), HashiCorp Vault, Apache Spark, Drools, Liquibase, HTML. |
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| **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. |
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| **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”. |
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| **Educational Qualification** |
| MCA from NERIM Group of Institutions under Dibrugarh University in 2019 with 69.7%. |
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| BCA from Central IT College under Sikkim Manipal University in 2013 with 70.1%. |
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| AISSCE (12th) from Kendriya Vidyalaya in 2010 with 53%. |
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| AISSE (10th) from Purvanchal Vidyapeeth in 2008 with 72.6%. |
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