

Dikshit Batra

Software Development Engineer

A goal oriented active learner with a keen interest in working on new technologies. Seeking opportunity in challenging work environment where I could build scalable and reliable systems for the organisation. Good knowledge of software development, object-oriented programming and have deep interest in design problems.

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EDUCATION

B.Tech

Indian Institute of Technology (IIT-BHU),
Varanasi

07/2016 - 05/2020

Engineering

- CPI: 8.75

Intermediate

D.A.V. Senior Secondary Public School,
Sunam

03/2005 - 04/2016

Science & Mathematics

- 12th: 93%
- 10th: 93.1%

WORK EXPERIENCE

Senior Developer

Standard Chartered Bank

05/2023 - Present

Bangalore

Responsibility Overview

- Led the implementation of critical end-to-end integrations, including HashiCorp Vault API and MFA API, ensuring seamless functionality in a production environment.
- Developed and led the end to end development of both live and historical financial data processing systems.

Developer - Technology & Innovation

Standard Chartered Bank

08/2020 - 04/2023

Bangalore

Responsibility Overview

- Developed GUI dashboards for data visualisation of fixed income(bonds) reports using Apache Spark.
- Developed several equities services and integrated third party APIs such as Reuters & Bloomberg to enable regular batch processing ensuring data consistency and availability.
- Platform having a micro app based design - led the migration of 20+ apps as a part of architecture redesign of the whole platform.

Tutor

Toppr

07/2017 - 02/2018

Achievements/Tasks

- Helped in solving doubts of Physics, Chemistry and Mathematics for JEE Main & JEE Advanced.

SKILLS

Core Java, Google Guice framework, Maven, Mockito, JUnit, Linux, Jenkins, Ansible

Data structures and Algorithms, Machine Coding (OOD & LLD), SDLC, CI/CD

Springboot (Intermediate), C++(Intermediate), MongoDB, Oracle SQL, Hazelcast Cache, Solace Messaging, Git, Rest APIs

OpenSSL, Keytool, TLS, Shell scripting

Tools: Bitbucket, Jira, Confluence, Postman, Grafana

PROJECTS

HashiCorp Vault API Integration

- Developed generic API wrappers for Hashicorp Vault to **securely store passwords** for various account types, including database, Oracle Unified Directory (OUD), and Active Directory (AD) accounts. Utilized **TLS** encryption to ensure secure communication with Hashicorp Vault APIs. Migrated 50+ accounts to Production securely.

Multifactor Authentication (MFA) API Integration

- Successfully integrated Multifactor Authentication (MFA) APIs into the application by leveraging **Kong API Gateway** to connect with MFA APIs over **TLS** enabling secure and seamless **user authentication** for the application.

AlgoMI - Batch Processing System

- Developed a Java Spring Boot application named algoMI comprising multiple 8 micro services with scheduled **cron jobs** for batch processing. The system ingests various financial files deposited by third party systems into designated server locations, processes them, and persistently stores **> 2 million records per day** in an Oracle SQL database.

Authorisation Service

- Developed a roles and permissions based authorisation service to manage user permissions leveraging the **Apache Shiro** framework. Also, designed and implemented the permissions app to control access to application's features and resources for **1k+** users via GUI.

MongoDB Collection Viewer App

- Developed a specialized app as part of the project to efficiently view and process large MongoDB collections(**> 10 million records**) leveraging **multithreading** techniques to enhance performance and enable faster processing of data.

Application Migration and Redesign

- Led the migration of **20+** applications within the project from older design patterns to a more robust and scalable architecture promoting cleaner code and maximising code reusability. Collaborated in the design and implementation of the **custom-built AppSpec framework**.

ACHIEVEMENTS

Public Relations, IIT BHU (08/2016 - 10/2019)

PR executive at Spardha'16,17,18 (IIT BHU Sports Festival), PR coordinator at Keramos'17,18,19(Department of Ceramic Engineering Annual Festival)