

Akash Chhabra

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Experience

Deutsche Bank

Pune

Software Engineer

July 2021 – Present

- **Backend Engineer**, actively contributing to Hedge Accounting for diverse financial products, assisting the bank in mitigating risks and streamlining financial statements.
- Contributing to the development enterprise-level **Spring Boot RESTful** microservices with complex logic for Hedge Accounting, reducing the bank's P&L volatility by **\$800 million** over the last year.
- Improved **CI/CD** processes using **Jenkins** and **Helm Charts**, reducing lead time and minimizing manual maintenance efforts.
- Added a feature to synchronize and process data from various upstreams, cutting turnaround time by 75% and improving hedge accounting accuracy.
- Drove the strategic remediation of **Open-Source Software vulnerabilities**, successfully mitigating over 90% of vulnerabilities, enhancing the application's security and reliability.
- Led the automation of the database release process using **Spring Liquibase** and **Kubernetes Jobs**, improving management and tracking of database changes.
- Implemented **OIDC**-based authentication flow utilizing **OAuth 2.0** for robust application security.

Key Projects

Athena

July 2022 – July 2023

Why: The resource allocation process of DB's graduate program was manual and required a lot of man-hours.

- Developed a platform utilizing **Spring Boot**, and **Oracle** to streamline resource allocation, reducing manual efforts by 90%.
- Implemented a **Python algorithm** for efficient resource allocation, cutting allocation time from 2 weeks to 5 minutes and achieving a 72% increase in user satisfaction.

Minutes in Seconds 🕒

August 2023 – September 2023

Why: It is hard to keep track of all the meetings in this new normal, remembering what happened in a meeting last week or last month is tough.

- Developed a **Python**-based bot with **FastAPI**, seamlessly integrated into Microsoft Teams meeting invites, delivering meeting summaries and action points automatically via emails.
- Utilized Microsoft's **GraphAPI** to get meeting details and send emails, **OpenAI** to generate summaries from transcripts.

Certifications

- **Google Certified Associate Cloud Engineer** January 2023 – January 2026

Skills

Programming Languages – Java | Python | SQL

Cloud and Database – GCP | Helm | Kubernetes | OpenShift | Oracle SQL | MySQL

Frameworks – Spring Boot | Spring Cloud | Flask | FastAPI

Tools – Git | Jira | Jenkins | Maven | Liquibase | Splunk | Junit | Mockito

Education

Bachelor of Engineering, Information Technology

August 2017 – July 2021

Thadomal Shahani Engineering College, Mumbai University

CGPA – 9.14

Interesting Highlights

- Represented Athena in Deutsche Bank's **Dragons Den**, felt like Shark Tank, but cooler. September 2022
- Teamed up with some new faces, and within a week we were one of the winning teams in **JP Morgan Code for Good**. July 2020