

Akash Chhabra

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Experience

Deutsche Bank

Pune

Senior Analyst (SDE-1)

July 2021 – September 2023

Associate Engineer (SDE-2)

October 2023 – Present

- **Software Engineer** proficient in **designing, developing, testing, and deploying** backend solutions.
- Developing enterprise-level **Spring Boot RESTful** microservices for bank's Hedge Accounting application, and reduced bank's P&L volatility by **\$800 million** over the last two years.
- Integrated real-time trade valuations for intraday hedges, significantly enhancing hedge accounting accuracy.
- Implemented feature to synchronize data processing from various upstreams, minimizing manual interventions.
- Implemented Authentication and Authorization based on OpenID Connect using the **OAuth 2.0** flow for application security and access control.
- Automated **CI/CD** process using **Jenkins, Helm Charts, and Docker**, boosting deployment time, and team productivity, while reducing production lead time and manual maintenance efforts.
- 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.
- Participated actively in code reviews, providing valuable feedback to enhance code quality and ensure project reliability.

Key Projects

Minutes in Seconds

August 2023 – October 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, and **OpenAI GPT-3.5** to generate summary and action items from meeting transcripts.

Athena

July 2022 – July 2023

Why: The resource allocation process of Deutsche Bank Grad program was manual and required 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.

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
- Assisted an NGO in addressing customer feedback and engagement issues, leading to a win at the **JP Morgan Code for Good**. July 2020