

Abhishek Khelge

Backend Developer

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ORGANIZATIONS

Freo, Senior Software Engineer

05/2021 – present

Freo Save - NeoBank Product

- Developed, managed, and scaled the backend for a neo-bank service from **scratch** using Spring Framework, Spring Cloud, and Spring AOP, in two member backend team.
- Led API integration with bank partners Equitas and RBL.
- Improved onboarding flow with data engineering techniques resulting in an **18% decrease** in drop-off rates.
- Collaborated with product managers and designers to discuss and implement feature improvements.
- Scaled the product to **100k+ users**, which also helped in cross-selling other freo products

MoneyTap - Lending Product

- Managing Know-Your-Customer (KYC) requirements, utilizing OCR-based document verification techniques, Central KYC (CKYC) compliance, and advanced address analysis for robust fraud prevention.
- **Lender onboarding** - onboarded IncRED as a lending partner, disbursed 82+ cr.
- Interviewed 20+ candidates and **mentored** 2 new joiners.

Freo Vault - Sensitive Data Vault

- Solely developed a standalone service, Freo Vault, which serves as a repository for **storing sensitive customer data**.
- Vault is built to be used across products currently being used in Freo Save.
- Sensitive data includes account details, card details, etc stored in an encrypted format.
- Used Amazon KMS as part of encryption chaining.

AWS Infrastructure Optimization

- Implemented shutdown of non-production Elastic Container Service (ECS) cluster during non-operational hours, improving resource allocation. Devised an ECS capacity-provider strategy to launch tasks in FARGATE-SPOT, **optimizing compute resources**.
- Leveraged AWS Lambda in conjunction with a serverless architecture for efficient management.
- This resulted in **reducing infrastructure costs** by 12%

SKILLS

Technical skills:

- Programming Languages: Java, Kotlin, Python, SQL
- Frameworks: Spring & Spring Boot, Flask
- Databases: Postgres, MongoDB, Bigtable
- Tools & Technologies: AWS, Terraform, Grafana, Git, CI/CD, Docker, Redis, SonarQube

EDUCATION

The National Institute of Engineering, Bachelor of Technology

2016 – 2020 | 8.6 CGPA

PROJECTS

Cheat code, LLM chatbot

06/2023 – present

- Developed an **intelligent chatbot** for user inquiries, providing cheat codes for various games at different levels.
- Leveraged **OpenAI APIs** for natural language processing.
- Utilized function calling and embedding techniques for seamless interactions.
- Employed MongoDB for efficient data management.

Book Tracker 📖

- Developed a **scalable and highly available** application that allows you to keep track of the books you read.
- It can store every single book possible in the world and be exposed as a catalog.

Tech stack:

Application Tier: Spring Boot, **Database:** Apache Cassandra, **Security:** Spring Security, **View Layer:** Thymeleaf

ACTIVITIES

Masai Hack Overflow Open Coding Challenge

Ranked in the Top-10 amongst 3000+ participants in the Masai Hack Overflow

Replit Extension Hackathon

Awarded Second Place in the Replit Extension Hackathon . 🏆