

Darab Ahmed

Software Engineer · Fintech & AI Engineering

Lahore, Pakistan darabahmed37@gmail.com darabahmed.com linkedin.com/in/darab-ahmed github.com/darabahmed37

SUMMARY

Backend engineer at an enterprise fintech since 2024, working under PCI DSS with code review and static-analysis gates, SQL tuned against execution plans and code profiled before and after each change. Builds AI systems to the same standard: Claude agents, MCP tooling and a code knowledge graph that answers questions across services with citations.

- Diagnoses slow queries and jobs from execution plans and profiler data, and ships measured fixes.
- Supports live systems that banks depend on, with reviewed fixes often shipped the same day.
- Built Multi-Manager on own initiative: a JavaFX tool that replaced WinSCP under a custom MFA flow, then gave Claude controlled access over MCP.
- Built a code knowledge graph (Claude Agent SDK, Neo4j, Qdrant, MCP) that answers across many services with citations.

EXPERIENCE

Software Engineer, i2c Inc.

JUL 2024 – PRESENT · LAHORE

Enterprise fintech platform for banks and fintechs

- Build and support backend modules in Java on a platform that banks and fintechs run on, under PCI DSS.
- Diagnose performance problems with execution plans and profiling, and measure every fix before and after.
- Investigate production issues on live systems and ship reviewed fixes, often the same day.
- Write multi-threaded batch jobs for high-volume financial data.
- Pass code review and SonarQube, PMD, SpotBugs and Checkstyle gates on every change.
- Contributed to the platform's migration from Java 8 to a current Java LTS.
- Built Multi-Manager, secure server access and MCP tooling for Claude, and a code knowledge graph that answers questions across services with citations.

Software Engineer, Devsinc

APR 2024 – JUN 2024 · LAHORE

- Built backend services in Python (Flask) with PostgreSQL.
- Containerised applications with Docker and deployed them to the cloud.

Associate Software Engineer, Devsinc

MAR 2023 – APR 2024 · LAHORE

- Migrated a legacy .NET application to Python (Django) with a redesigned schema and repeatable data migration scripts.
- Set up cloud infrastructure and CI/CD pipelines with GitHub Actions.
- Built frontend features with React and Next.js.

Intern, Arbisoft

JUL 2022 – SEP 2022 · LAHORE

- Built a learning project with Python (Django) and a React frontend.

SELECTED PROJECTS

Code knowledge graph · i2c Inc.

A pipeline reads the repositories once, extracts exact facts, and lets Claude agents explain them, checked against the code. Claude then answers questions across many services through a retrieval server over MCP, with a citation for every claim.

Python, Claude Agent SDK, MCP, Neo4j, Qdrant, Kotlin, PostgreSQL

Multi-Manager · i2c Inc.

A JavaFX desktop app that replaced WinSCP after a custom multi-factor login locked it out, then gave Claude controlled access to our servers, databases and team tools through MCP, with skills that automate strict workflows.

Java, JavaFX, SSH, SFTP, MCP, Claude Code skills

Enterprise fintech engineering · i2c Inc.

Backend modules and production support on a platform that banks and fintechs run on, built under PCI DSS: review and static-analysis gates on every change, SQL tuned against execution plans, code profiled before and after.

Java, Struts, SQL, Informix, Apache Tomcat, SonarQube

SKILLS

Languages	Java, Kotlin, Python, SQL, TypeScript
AI engineering	Claude Agent SDK, Claude API, OpenAI API, MCP, RAG and GraphRAG, Multi-agent workflows, Embeddings
Data	Neo4j, Qdrant, PostgreSQL, Informix
Engineering practice	Execution plans, Profiling, Code review, SonarQube, PMD, SpotBugs, Checkstyle, PCI DSS
Platforms	Linux, Docker, Podman, Git, GitHub Actions, TeamCity, Gradle, Maven, JavaFX, Django

EDUCATION

BS (Hons) Computer Science, Government College University (GCU), Lahore, Pakistan 2019 – 2023

Coursework: Artificial Intelligence & Neural Networks, Machine Learning, Graph Theory, Parallel & Distributed Computing, Data Structures & Algorithms, Database Systems, Compiler Construction

Fellowship, Qasim Ali Shah Foundation 2022 – 2023

One-year programme in communication and interpersonal skills.