

Sharjeel Ahmed Nadeem

Karachi, Pakistan • 03161123754 • sharjeelahmed614@gmail.com •

<https://www.linkedin.com/in/sharjeelahmed99/>

♦ Summary

Backend-Focused Software Engineer with 3.5+ years of industry experience in Fintech, Core Banking, and modern web development. Skilled in designing scalable APIs using Java/Spring Boot and Node.js/Express across REST and SOAP ecosystems. Passionate about building functional, user-focused applications and AI-integrated products through hands-on development. Creator of multiple full-stack projects leveraging OpenAI, AWS S3, and PostgreSQL.

♦ Experience

Consultant

[Systems Limited], [Karachi, Pakistan] • *Aug 2023 – Present*

- Engineered and deployed high-volume middleware APIs in Node.js, enabling REST and SOAP integrations (**incl. Google Wallet**) to streamline financial transactions.
- Reversed-engineered OSB (Oracle Service Bus) transformations into Node.js for migration purposes.
- Collaborated with stakeholders and upstream systems including Credit and Debit Card services.
- Provided production support and resolved critical issues for both Oracle Service Bus, and ExpressJS APIs in UAT and production environments by working overtime.
- Contributed to Core Banking systems like Transact, and gained experience working on multiple modules such Customer, Limit & Collaterals, AA Accounts.
- Designed and implemented Java-based automation to mark accounts as dormant based on financial conditions, enhancing compliance and operational efficiency. Also developed a COB (Close of Business) batch job for generating alerts and updating custom records in Transact.

Software Engineer

[Avanza Solutions], [Karachi, Pakistan] • *Nov 2021 – Aug 2023*

- Developed backend services of a CRM using the Spring Boot framework of Java based on Microservices architecture, tackling various modules such as Customer, Agent Desktop, Eforms, Complains, Workflows, Leads.

- Used React.js for frontend requirements, utilizing both functional and class-based components.
 - Used SQL Server for Database queries, schema handling, migration of scripts, and solving various tasks.
 - Worked with deployment of applications as well, using IBM WebSphere for Java, and Nginx for React.
 - Worked with tools such as Elasticsearch for avoiding heavy Database calls, and Redis for caching.
 - Participated in client-side interactions , gathering requirements and providing implementation support.
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◆ Technical Skills

- **Languages:** Java, JavaScript, SQL
 - **Frameworks:** Spring Boot, NestJS, Express.js, FastAPI
 - **Databases:** SQL Server, PostgreSQL
 - **Cloud / DevOps / Version Control:** AWS (EC2, S3, ALB), Docker, Git
 - **Others:** Transact, Postman, SoapUI, JWT
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◆ Personal Projects

Budget Tracker (2025) • Spring Boot + React + PostgreSQL

- Budget Tracking application where the user can log their transactions, set a budget, and total amount in accounts.
- Implemented an automated email system that alerts users when transactions exceed their budget, followed by updated notifications once the budget is adjusted. The system also dynamically updates the user's total balance based on each transaction.
- Leveraged OpenAI's API to automate transaction categorization, financial summaries, and budgeting suggestions, simulating intelligent personal finance advising.
- The Frontend also provides user with a dashboard to show their spending breakdown by category in a chart

Image Uploader Platform (2025) • NestJS + ReactJS + AWS S3 + PostgreSQL + JWT Auth

- An Image uploader made using NestJS with TypeScript and React with TypeScript for Frontend. It lets users to upload images to AWS S3 bucket and allow to delete them as well from the S3 via frontend
- It contains JWT authentication for roles such as Admin, User and stores in Postgres. Admin view shows all uploads while standard users view personal gallery.

- It also uses OpenAI API to let ChatGPT generate a description of the title you provided for the image.

ChatGPT Wrapper (2025) • FastAPI + React + PostgreSQL + OpenAI API

- Built a custom ChatGPT-powered web application with memory, mood-based persona shifts, and persistent message logging via PostgreSQL.
- Integrated FastAPI backend with a React frontend, implementing features like fetching chat history, animated typing effects, and weekly mood report of the user.

E-Commerce Mobile Application (2020-2021) • ASP.NET + Flutter + SQL Server + Firestore

- A trading application that focused solely on Video Games and Books. Any logged in user could post ads and it will be visible to every user of the application. Others could then post offers of their own against that ad.
 - The Application also contained a chatting system which allowed users to chat with each other for which Firestore was used.
 - Users could also register themselves as riders. The application would behave differently for them.
 - It also contained an Admin Panel which displayed complaints along with orders, and how to register as a rider
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♦ **Education**

Bachelor of Science in Computer Science

[PAF-KIET], [Karachi] • *Graduation: 2021*

♦ **Certifications**

- AWS Certified Developer – Associate (*In Progress*)
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♦ **Achievements**

- Received Q1 2022 Award for outstanding performance by Avanza Solutions on delivering quick results for their CRM Product.
- Invited at the Launch event for *Google Wallet* as one of the key contributors