

# Hamza Faheem

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## EDUCATION

### National University Of Computer and Emerging Sciences - FAST

*Bachelor of Science in Computer Science (BS CS)*

Karachi, Pakistan

July 2020 – June 2024

### Govt. Dehli College

*Intermediate - PRE ENGG.*

Karachi, Pakistan

July 2018 – May 2020

## EXPERIENCE

### Paysys Labs

*Associate Software Engineer*

Nov 2024 – Present

Karachi, Pakistan

- Worked on major projects for Pakistan State Oil, Pakistan Single Window (PSW), Soneri Bank, National Bank of Pakistan and National Savings Pakistan (CDNS), delivering scalable and efficient financial solutions.
- Played a critical role in improving data workflows and system performance through project-specific development and optimizations.
- Contributed to robust data workflows and system performance through project-specific development and optimizations..

### Systems Limited

*Java Developer*

June 2024 – Oct 2024

Karachi, Pakistan

- Developed Java RESTful APIs for banking systems to ensure secure and efficient transactions.
- Worked with Temenos T24 to integrate core banking functionalities and enhance system capabilities.
- Managed API and database integrations, including generating reports and ensuring seamless data flow.

### Xfinitive Group

*Web Development - Intern*

Jun. 2023 – Aug 2023

Karachi, Pakistan

- Developed and maintained dynamic, responsive web applications using MERN Stack.
- Worked on Back end Development and consumed REST API's.
- Collaborated and worked with team on MongoDB Database and its integration with Application.

### National University Of Computer and Emerging Sciences - FAST

*Student Teaching Assistant*

Dec. 2023 – June 2024

Karachi, Pakistan

- Supported educators in the Computer Science department by assisting with course materials and providing hands-on technical support.

## PROJECTS

### Open Wallet Project - Pakistan State Oil

*Technologies: Java Spring Boot, Postman, Designer Studio, MS SQL, RabbitMQ*

\*Paysys Labs

- \* Engineered the core architecture of PSO Open Wallet using Java Spring Boot and MS SQL, ensuring seamless functionality and robust performance.
- \* Designed REST APIs to enable smooth interaction between the Core, DAO layer, and frontend, facilitating efficient communication across the system.
- \* Optimized database operations for reliable data access and transaction integrity, ensuring smooth and accurate integration with the backend.

### Roshan Digital Account (NBP) - DAO Portal

*Technologies: MERN Stack, Postman, Redis, Node Js, PuTTY*

\*Paysys Labs

- \* Worked in Development of new product for National Bank of Pakistan (Roshan Digital Account)
- \* Worked as Backend Developer as well as for providing support for Frontend Developers.
- \* Implemented from scratch according to business logic provided by client.
- \* Added new features to streamline operations and improve user experience, aligning with the evolving requirements of the system.

### **Yakeen Project - National Bank of Pakistan**

*Technologies: Java, Postman, Designer Studio, Temenos T24, jBase InfoBasic*

*\*Systems Limited*

- \* Engineered a robust interface for the NBP-KSA and NBP Hong Kong Branches to seamlessly integrate REST APIs from NBP, enhancing data exchange and operational efficiency between the bank and its systems.
- \* Successfully integrated the Yakeen Interface with Temenos T24, a core banking system, to ensure smooth communication and data synchronization between the bank's branch operations and backend systems.
- \* Developed and integrated the Yakeen Interface with NBP-KSA's REST APIs and Temenos T24, optimizing financial data flow and transactions.

### **PSW Project - Soneri Bank**

*Technologies: Java Spring Boot, MS SQL, DBeaver, React, , Temenos T24*

*\*Paysys Labs*

- \* Maintained and enhanced the Pakistan Single Window (PSW) integration with Soneri Bank using Java Spring Boot, MS SQL, React, and Temenos T24, ensuring seamless operations between stakeholders.
- \* Debugged and resolved critical issues to improve system reliability and optimize communication workflows between PSW and Soneri Bank.
- \* Designed and implemented new features to address evolving requirements, enhancing the functionality and efficiency of the integration system.

### **CDNS project - National Savings Pakistan**

*Technologies: Java Spring Boot, MS SQL, Swagger, React*

*\*Paysys Labs*

- \* Maintained and enhanced the National Savings Pakistan (CDNS) system using Java Spring Boot, MS SQL, and React, ensuring system scalability and reliability.
- \* Developed SQL procedures to enable efficient data retrieval and updates, ensuring seamless integration with frontend requests.
- \* Added new features to streamline operations and improve user experience, aligning with the evolving requirements of the system.

### **Flight Management System**

*Technologies: MERN Stack (MongoDB, Express.js, React.js, Node.js)*

*Aug. 2022 – Dec. 2022*

- \* Developed a Flight Management Web Application using the MERN stack (MongoDB, Express.js, React, Node.js) to streamline flight booking, scheduling, and management processes.
- \* Implemented RESTful APIs with Express.js and Node.js for efficient backend services, ensuring secure and reliable data handling and user interactions.
- \* Designed and built interactive frontend components with React, providing a seamless user experience for searching flights, managing bookings, and viewing flight details.

### **FoodStop - Final Year Project**

*Technologies: Flutter, Dart, Firebase, Kaggle, TensorFlow, Android Studio*

*\*FAST - NUCES*

- \* Developed a Flutter-based clone of the Foodpanda app, incorporating innovative features such as personalized dish and restaurant recommendations tailored to users' health conditions and local weather conditions.
- \* Built health and weather recommender systems with TensorFlow, using Kaggle datasets to offer personalized food and restaurant suggestions based on user health and weather conditions.

## **TECHNICAL SKILLS**

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**Languages:** Java, SQL, InfoBasic, Python, C/C++, JavaScript, HTML/CSS

**Frameworks:** Spring, JUnit, Mockito, JAX-RS, jBase, React Js, Node.Js, Bootstrap, SLF4J

**Developer Tools:** Git, Docker, RabbitMQ, VS Code, Temenos T24, Postman, Swagger, Eclipse Designer Studio, DBeaver, KAFKA, MS SQL, Bitwise SSH Client, FortiClient, PuTTY, Ms Azure, AWS