

Hamza Faheem

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EDUCATION

National University Of Computer and Emerging Sciences - FAST <i>Bachelor of Science in Computer Science (BS CS)</i>	Karachi, Pakistan July 2020 – June 2024
Govt. Dehli College <i>Intermediate - PRE ENGG.</i>	Karachi, Pakistan July 2018 – May 2020

EXPERIENCE

Paysys Labs <i>Associate Software Engineer</i>	Nov 2024 – Present Karachi, Pakistan
<ul style="list-style-type: none">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 <i>Java Developer</i>	June 2024 – Oct 2024 Karachi, Pakistan
<ul style="list-style-type: none">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 <i>Web Development - Intern</i>	Jun. 2023 – Aug 2023 Karachi, Pakistan
<ul style="list-style-type: none">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 <i>Student Teaching Assistant</i>	Dec. 2023 – June 2024 Karachi, Pakistan
<ul style="list-style-type: none">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 <i>Technologies: Java Spring Boot, Postman, Designer Studio, MS SQL, RabbitMQ</i>	*Paysys Labs
<ul style="list-style-type: none">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 <i>Technologies: MERN Stack, Postman, Redis, Node Js, PuTTY</i>	*Paysys Labs
<ul style="list-style-type: none">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

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- * 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

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