

# Abdulrazzaq Alhendi

📞 +965 99915770 | ✉ work@aalhendi.com | 🌐 aalhendi

## Experience

### Software Developer - Back-End - Warba Bank (Kuwait)

August 2025 - Present

- Designed and implemented end-to-end workflows on a **custom workflow engine** for a Common Functional Layer serving as the integration point for all banking channels to communicate with the core banking system.
- Executed the upgrade of the integration platform's core libraries to **JDK 25**, unlocking significant performance gains and ensuring compatibility with the latest security patches for a suite of microservices.

### Technical Lead - Dawraty Educational Group (Kuwait)

February 2025 - present

- Modernized critical infrastructure** by overhauling the customer-facing public API, migrating from end-of-life PHP 7 to Rust (~75k LoC) while maintaining full feature parity and 100% backwards compatibility while enabling **3x faster response times** and paving the way for geographic expansion.
- Architected CI/CD pipelines** and containerization (Docker/Kubernetes), reducing deployment times by **40%** and enabling seamless zero-downtime updates.
- Optimized cloud costs** through right-sizing resources, adjusting database scaling policies and offloading media to cost-efficient storage

### Experienced Associate (Developer) - The Shared Electronic Banking Services Co. (KNET) (Kuwait)

October 2023 - February 2025

- Spearheaded development of KNET's **WAMD** project, a highly-available ISO20022 instant payments platform, implementing features such as load balancing, mutual TLS, and X.509 digital signatures via HSM to ensure robust security and scalability.
- Led comprehensive **performance optimization** for WAMD, including database tuning, garbage collection refinement, and application-level enhancements, resulting in a **500% maximum operating capacity** increase and 99.9% up-time.

### Jr. Integrations Developer (Back-End) - Warba Bank (Kuwait)

May 2023 - October 2023

- Migrated a monolithic banking application to a **microservice architecture** using Kubernetes, significantly enhancing scalability and modularity while transitioning to JDK 17 from JDK 8.
- Implemented **distributed tracing** to monitor and optimize application performance, reducing latency and facilitating root-cause analysis for issues.
- Drove backend development of the "Pay Me" feature revamp, focusing on **entity model design** and payment processor (KNET) integration.

### Senior Research Technician - Dasman Diabetes Institute (Kuwait)

July 2020 - April 2023

- Modeled large-scale patient **time-series data** from Electronic Health Record systems (2011-2020) in Python. Automated repeatable data analysis methodologies with documentation.

### Undergraduate Research Assistant (Dr. Qian Wang) - Iowa State University (Ames, IA)

March 2018 - Dec 2019

- Initialized development of a **neuron tracing application** utilizing computer vision and machine learning algorithms to aid advancements in neuron morphology research.

## Education

### CODED (Kuwait)

May 2021 - August 2021

Full-Stack Web Development

### Iowa State University (Ames, IA)

Jan 2016 - Dec 2019

B.S. in Chemical Engineering

## Recent Projects

### Kuwait Hackathon 2024

November 2024

[Kuwait Times News Article](#)

- Competed in a Capture the Flag (CTF) challenge, solving cybersecurity problems and uncovering vulnerabilities under time constraints. Focused on real-world scenarios like threat detection, system hardening, reverse engineering and digital forensics. **First place.**

### Loxiest

July 2023

[github.com/aalhendi/loxiest](https://github.com/aalhendi/loxiest)

- A **dynamic, interpreted language** with OOP in mind. Compiles to bytecode to be executed on its very own **virtual machine**. Distributed as a portable binary with REPL and script loading.

### National Bank of Kuwait Hackathon 2021

July 2021

[Kuwait Times News Article](#)

- Developed a **digital banking mobile application** targeting children and families to foster healthy personal spending habits and encourage savings. Deadline was 48 hours from design to demonstration. **First place.**
- Stack:** React Native, Node, PostgreSQL

## Licenses & Certifications

### Object-Oriented Data Structures in C++

May 2021

[coursera.org/account/accomplishments/certificate/C2BQW66FSSP4](https://coursera.org/account/accomplishments/certificate/C2BQW66FSSP4)