

Abdulslam Alshehri

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PROFESSIONAL SUMMARY

Backend-focused developer building production systems with Java (Spring Boot, Spring Security), with frontend experience in React and Angular. Own services end-to-end — schema design, authentication and authorization, transactional integrity, integrations with external systems, and observability.

EDUCATION

King Saud University

Software Engineering GPA: 4.72/5.00

Riyadh
2020 – 2024

- **Talented Students Program:** Actively contributed to advanced research initiatives and technical projects.
- **Relevant Coursework:** Operating Systems, Data Structures, Machine Learning, Web Development.

WORK EXPERIENCE

Software Developer – Tahakom | Riyadh

May 2025 – Present

- **Identity & Access Management:** Own the production identity and access management service — authentication, role-based authorization, and token issuance and refresh used across internal services, including integrations with external identity providers. Spring Boot, Spring Security.
- **Qualification Platform:** Building a qualification and scoring platform with multi-section forms, large document attachments, and integrations with external government systems, designed around retry and idempotency to handle unreliable dependencies.
- **Scheduled Notifications:** Built automated renewal reminder emails triggered by a Kubernetes CronJob calling a dedicated service endpoint, guaranteeing single execution across multiple replicas, with an event/listener design decoupling notification delivery from scheduling and reusable email templates for content.
- **Database Engineering:** Own schema design, query optimization, and indexing for the services I maintain, with versioned database migrations.
- **Containerization:** Containerized Spring Boot services with Docker using multi-stage builds and maintained Docker Compose environments for local development and integration testing.
- **Incident Response:** Led root-cause analysis on production incidents and established response procedures to reduce recurrence.
- **Observability:** Onboarded services to Dynatrace APM and Elastic (ELK) for centralized tracing and logging, significantly reducing time to diagnose production issues.

Software Engineer – Lucidya | Riyadh

September 2024 – April 2025

- **Backend Optimization:** Engineered scalable backend services for the Customer Engagement Platform using **Python, Ruby, and PostgreSQL**, achieving a 30% reduction in API response times.
- **Infrastructure & Queuing:** Re-architected asynchronous task processing using RabbitMQ and Sidekiq, improving message queue throughput by 60% and ensuring system reliability during peak loads.
- **Database Performance:** Optimized complex SQL queries and indexing strategies, resulting in a 50% decrease in database execution time.

Software Engineering Intern – Lucidya | Riyadh

June 2024 – August 2024

- **API Development:** Developed RESTful APIs with **FastAPI** and **Flask**, enabling seamless integration with React.js frontends.
- **CI/CD Implementation:** Assisted in setting up CI/CD pipelines to automate testing and deployment, reducing release cycles.

PROJECTS

Webhook Delivery Platform — Reliability & Distributed Systems Patterns

- Self-directed Spring Boot project applying production reliability patterns: JWT authentication with access/refresh token separation and versioned schema migrations, with transactional outbox, idempotency keys, circuit breakers, and rate limiting in progress.
- Tech Stack: Java, Spring Boot, Spring Security, Flyway, Resilience4j

Fulan — Saudi Fake Data Library for Java (*In Progress*)

- Open-source Java library generating realistic Saudi test data — bilingual Arabic/English names, cities, phone numbers, national and Iqama IDs, and VAT and CR numbers — through a single `SaudiFaker` entry point, targeting publication on Maven Central.
- Tech Stack: Java, Maven, Gson

EMS Patient Care Report System — Full-Stack Web Application

- Replaced an ambulance service's paper-based Patient Care Report process with structured digital forms, automated PDF generation, and secure email dispatch.
- Tech Stack: React, Node.js, PostgreSQL

MOVIE-DB — Scalable Movie Discovery Platform

- Built a scalable backend integrating the TMDB API to serve 500,000+ titles, with clean, reusable architecture.
- Tech Stack: Java, Spring Boot, Spring Security, React.js, PostgreSQL

SKILLS

Backend Engineering: Java (Spring Boot, Spring Security, Spring Data JPA), Python (FastAPI, Flask), REST API Design, Microservices, Async Processing

Frontend Engineering: Angular, React, TypeScript, JavaScript

System Design & Patterns: Outbox Pattern, Idempotency, Circuit Breakers, JWT & RBAC, Rate Limiting, Event-Driven Architecture

Databases: SQL Server, PostgreSQL, MySQL, Redis

Messaging: Kafka, RabbitMQ

Platform & DevOps: Docker, Kubernetes, CI/CD, Elastic Stack (ELK), Dynatrace, Linux, Grafana

COURSES & CERTIFICATIONS

- **Modern Application Development DevOps — GIA, 2026**
- **Fundamentals of Accelerated Data Science with GPUs — NVIDIA / Tuwaiq Academy, 2026**
- **Developing Applications with Large Language Models — NVIDIA / Tuwaiq Academy, 2026**
- **Unleashing the Power of AI Agents — IBM SkillsBuild, 2026**
- **Machine Learning A-Z: AI, Python & R — Udemy, 2024**
- **Deep Learning Specialization — DeepLearning.AI / Coursera (In Progress)**