

# Karim Tahar Ismail

Backend Engineer | Java & Spring Specialist

## Contact Information

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Portfolio: [Website Link](#)

## Professional Summary

Backend Engineer with 2+ years of experience in Java/Spring frameworks applications, experienced in streamlining backend systems to support cross-functional goals, delivering improvements in API response times and team productivity. Proven ability to collaborate with cross-functional teams, optimize API performance.

## Work Experience

**Backend Engineer**, Intercom Enterprise, Egypt

Nov 2023 – Present

- Analyzed project requirements and made data-driven decisions, aligning technical execution with business goals to improve project success rates.
- Developed REST APIs using Spring Boot to support multiple front-end channels, enhancing functionality and reducing response time by 30%.
- Led User Acceptance Testing (UAT) and coordinated Production and Server Deployments, ensuring smooth transitions with zero downtime.
- Key Projects:**
  - Public Prosecution Office – Family Revamp:**
    - Developed a Family Affairs System** covering stages from case filing to judgment issuance, managing tasks for Family Prosecutions at multiple levels.
    - Impact:** Automated processes reduced manual workload by 40% and cut processing time by 30%.
    - Tech Stack:** Java, Spring (Boot, Security, Data JDBC, Caching), Oracle DB, Redis, Prometheus, Grafana, Jaeger, Restful APIs, Flyway.
  - Public Prosecution Office - Archiving:**
    - Led the digital transformation** of paper archives, increasing document accessibility and operational efficiency through OpenText integration.
    - Impact:** Improved retrieval times by 50%, boosting productivity.
    - Tech Stack:** Java, Spring (Boot, Security, Data), Oracle DB, Restful APIs.
  - Public Prosecution Office – Family Services:**
    - Implemented an online document management system** for Family Prosecution, integrating with Egypt Post, E-Finance, and ISPs (WE, Vodafone, etc.).
    - Impact:** Reduced manual processing times and expanded system accessibility by 60%.
    - Tech Stack:** Java, Spring (Boot, Security, Data), SQL Server DB, Soap Services, Restful APIs.
  - Support Portal (Internal Project):**
    - Oversaw troubleshooting and debugging**, identifying root causes, optimizing performance, and enabling seamless third-party API integration.
    - Impact:** Achieved a 25% decrease in application errors, boosting overall system reliability.
    - Tech Stack:** Java, Spring Core, JSP, MySQL, Soap Services, Restful APIs.

**Software Developer**, Asset Technology Group, Egypt

Aug 2023 – Nov 2023

- Collaborated with cross-functional teams to gather requirements, achieve on-time deliverables, and maintain project momentum.
- Skills:**
  - Integration & Middleware:** Fiorano middleware, Message Queue, Middleware, ESB, Java Message Service (JMS), RESTful Web-Services, SOAP.
  - Languages & Technologies:** Java, SQL, XML, XSD, XSLT.

## Education

Information Technology Institute (ITI), Smart Village Branch, EGYPT

Oct 2022 – Jun 2023

9-Month Professional Diploma, Java Web and Enterprise Development

Acquired extensive skills for full-stack development, successfully completing a range of projects that showcase expertise across multiple technologies:

- **ITI-Graduation-Project** – Home Rental Website - AirMAK Website - [GitHub-Link](#)
  - **Overview:** Created a comprehensive property rental platform for seekers, owners, and administrators with features like secure Google Authentication, advanced search, and Google Maps integration.
  - **Role:** Full-Stack development.
  - **Tech Stack:** Spring (Boot, AOP, Security, Data JPA), MySQL, Angular.
- **Sakila APIs** – Restful and Soap APIs
  - **Overview:** Developed APIs to support CRUD operations within the Sakila Schema DB. Implemented a RESTful API using JAX-RS and a SOAP API with JAX-WS for structured, secure data exchange.
  - **Role:** Backend development.
  - **Tech Stack:** Java, JPA and MySQL.

Restful – JAX-RS – [GitHub-Link](#).

Soap – JAX-WS – [GitHub-Link](#).
- **Web Application** – E-commerce web application – POSH Website - [GitHub-Link](#)
  - **Overview:** Developed a full-stack e-commerce platform with features for product browsing, checkout, and cart management, enhancing customer experience.
  - **Role:** Full-Stack development.
  - **Tech Stack:** Java, Jakarta [Servlets, JSP], MySQL, HTML, CSS, JavaScript, jQuery, AJAX, Restful API.
- **Chat Application** – Desktop chat application – ChatUP App - [GitHub-Link](#)
  - **Overview:** Designed a desktop chat application with real-time messaging, group chats, media sharing, chatbot integration, admin dashboard, and notifications.
  - **Role:** Full-Stack development.
  - **Tech Stack:** JavaFX, JDBC, MySQL, RMI, CSS and managed using Maven.

Faculty of Graduate Studies for Statistical Research, Cairo University, EGYPT

Sep 2021 - Present

Diploma of Higher Education (DipHE), Computer Science department (GPA: 3.0)

Faculty of Education, Ain Shams University, EGYPT

Sep 2017 - Jun 2021

Bachelor of Science and Education, Science department (Grade: Good)

## Technical Skills

- **Programming Language & Frameworks:** Java, Spring Core, Spring Boot, Spring AOP, Spring MVC, Spring Data, Spring Security (OAuth2, Keycloak), Spring Cloud, Spring Web Service, JPA (Hibernate), Jakarta EE Servlet.
- **Web Development:** Angular, HTML, JSP, JSF (*familiar*).
- **Database:** MySQL, SQL Server, Oracle DB, PostgreSQL (*database design and optimization*).
- **Tools & Technologies:** Git, GitHub, GitLab, Docker, Maven, XML, REST [JAX-RS], SOAP [JAX-WS], Flyway.
- **Tools & Observability:** Prometheus, Grafana, Loki, Tempo, Zipkin, Jaeger.
- **Application Server:** WebLogic, Tomcat, Undertow.
- **Methodologies & Best Practices:** Agile Development, OOP, Design Patterns, SOLID Principles, SonarQube, Microservice Architecture, Service Registry & Discovery (*Eureka*).

## Languages

- Arabic (Native)
- English (Professional Working Proficiency)