Karim Taha Ismail

Backend Engineer | Java & Spring Specialist

CONTACT INFORMATION

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PROFESSIONAL SUMMARY

Results-driven Backend Engineer with expertise in Java and Spring technologies. Proven track record in developing scalable web applications, APIs, and microservices projects. Skilled in problem-solving and delivering robust solutions to complex challenges. Excellent communicator, adept at collaborating in cross-functional teams.

CORE COMPONENTS

- **Programming Language:** Java.
- **Frameworks:** Spring [Core, Boot, AOP, MVC, Data, Security, Cloud], 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.
- **Monitoring & 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*).

WORK EXPERIENCE

Backend Engineer, Intercom Enterprise, Egypt   Nov 2023 – Present

- ❖ Collaborate with cross-functional teams to gather requirements and ensure timely project delivery.
- ❖ Ability to analyze project requirements and make informed decisions to meet business objectives.
- ❖ Developed REST APIs using Spring Boot for diverse front-end channels.
- ❖ Actively engaged in User Acceptance Testing (UAT), Production deployment, and server deployment phases.
- ❖ **Projects:**
  - ➢ **Public Prosecution Office – Family Revamp:**
    - ▪ Development of the Family Affairs System, covering all stages from filing various types of lawsuits to issuing judgments, processing required extractions, and handling claims, as well as managing the tasks of Family Prosecutions across all levels.
    - ▪ **Technologies:** Java, Spring (Boot, Security, Data JDBC, Caching), Oracle DB, Redis, Prometheus, Grafana, Jaeger, Restful APIs, Flyway.
  - ➢ **Public Prosecution Office - Archiving:**
    - ▪ Led the digitization of paper archives, significantly improving document accessibility and operational efficiency, Integrate with OpenText to store documents.
    - ▪ **Technologies:** Java, Spring (Boot, Security, Data), Oracle DB, Restful APIs.
  - ➢ **Public Prosecution Office – Family Services:**
    - ▪ Implemented an online document management system for Family Prosecution.
    - ▪ Integrated with Egypt Post, E-Finance, and multiple ISPs (WE, Vodafone, etc.).
    - ▪ **Technologies:** Java, Spring (Boot, Security, Data), SQL Server DB, Soap Services, Restful APIs.
  - ➢ **Support Portal (Internal Project):**
    - ▪ I was responsible for troubleshooting, debugging, and resolving issues.
    - ▪ I identified root causes for application errors, optimized performance, and ensured seamless integration with third-party APIs and services
    - ▪ **Technologies:** 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 and meet project deliverables:
- ❖ **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

I gained comprehensive skills and knowledge to excel as a full-stack developer. Throughout the course, I successfully completed several projects that highlight my proficiency in various technologies, including:

- ❖ **Projects:**
  - ➢ **ITI-Graduation-Project** – Home Rental Website - AirMAK Website - GitHub-Link
    - **Description:** offers a comprehensive solution for property seekers, property owners, and administrators alike. With its user-friendly interface, secure authentication (Google Authentication), advanced search capabilities, and Google Maps integration.
    - **Role:** Full-Stack development.
    - **Technologies used:** Spring (Boot, AOP, Security, Data JPA), MySQL, Angular.
  - ➢ **Sakila APIs** – Restful and Soap APIs
    - **Description:** In the Sakila APIs project, I developed Restful and Soap APIs. The Restful API, implemented with JAX-RS technology, enabled clients to perform CRUD operations on various resources within the Sakila Schema DB. With the Soap API, built using JAX-WS technology, I facilitated secure communication and structured data exchange between systems.
    - **Role:** Backend development.
    - **Technologies used:** Java, JPA and MySQL.

      Restful – JAX-RS – GitHub-Link**.**   **Soap** – JAX-WS – GitHub-Link**.**
  - ➢ **Web Application** – E-commerce web application – POSH Website - GitHub-Link
    - **Description:** The project focused on providing seamless browsing, shopping, and checkout experiences for customers, with features such as product listings, search functionality, and shopping cart management.
    - **Role:** Full-Stack development.
    - **Technologies used:** Java, Jakarta [Servlets, JSP], MySQL, HTML, CSS, JavaScript, jQuery, AJAX, Restful.
  - ➢ **Chat Application** – Desktop chat application – ChatUP App - GitHub-Link
    - **Description:** It offers a wide range of features such as real-time messaging, group chats, media sharing, chatbot integration, notifications, an admin dashboard, system statistics, and admin announcements
    - **Role:** Full-Stack development.
    - **Technologies used:** JavaFX, JDBC, MySQL, RMI, CSS and managed using Maven.

Faculty of Graduate Studies for Statistical Research,   Sep 2021 - Present

Cairo University, EGYPT

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**)**

Languages

- Arabic (Native)
- English (Limited working proficiency)