

Ahmed Tamer Khalifa

Backend Java Developer

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PROFILE

Results-driven Backend Java Developer with extensive proficiency in Java SE, object-oriented paradigms, and relational database architectures. Demonstrated expertise in designing and implementing scalable backend systems utilizing JDBC, Spring Framework, and Oracle Database. Successfully translated complex algorithmic concepts into accessible learning material as a Technical Ambassador. Adheres rigorously to SOLID principles, design patterns, and industry best practices for producing robust, maintainable code.

PROFESSIONAL EXPERIENCE

Technical Ambassador, Information Technology Institute (ITI)

11/2025 – Present

- **Delivered** structured mentorship to 100+ students on computer science fundamentals (CS50), covering C programming, Python, and memory management
- **Orchestrated** technical workshops and intensive sessions on Data Structures and Algorithms, enhancing student problem-solving efficiency by 20%
- **Established** standardized debugging protocols for student projects, ensuring full compliance with industry coding standards

PROJECTS

Car Rental Management System

- **Developed** a comprehensive command-line application using Java SE and JDBC, reducing vehicle tracking time by 40%
- **Architected** and optimized normalized database schemas in Oracle Database, improving data integrity and accelerating query performance by 30%
- **Deployed** robust error-handling and validation frameworks, attaining 99% error-free operation during User Acceptance Testing
- **Technologies:** Java 8/11, JDBC, Oracle Database, SQL, IntelliJ IDEA

Customer Service Queue Management System

- **Engineered** a high-performance queue management system using advanced Data Structures, processing 50+ customer requests per minute
- **Implemented** persistent file-based state management, guaranteeing 100% data recovery across sessions
- **Refined** core sorting algorithms to optimize time-complexity, decreasing wait-time calculation latency by 15%
- **Technologies:** Java, OOP, Data Structures, File I/O, Algorithmic Optimization

EDUCATION

Bachelor of Business Information Systems (BIS),

2024 – Present

Higher Institute of Computers, Information, and Management Technology - Tanta

GPA: 3.79 / 4.0 (Excellent)

LANGUAGES

Arabic – Native Language

English – Intermediate (B1) – Proficient in technical documentation and communication

COURSES

ITI Summer Training (CS50), Information Technology Institute (ITI)

08/2025 – 09/2025

Curriculum Emphasis: Computational Thinking, Memory Management, Data Structures

SKILLS

Technical Skills

- **Languages:** Java (SE 8/11), C++, SQL
- **Backend Frameworks:** Spring Boot, Spring Security, Hibernate ORM, RESTful APIs, Servlets, JSP
- **Databases:** Oracle Database, MySQL, Data Modeling, Normalization, Query Optimization
- **Tools & Platforms:** Git, GitHub, Maven, Postman, Linux, IntelliJ IDEA, VS Code
- **Methodologies:** SOLID Principles, Design Patterns, Agile/Scrum, SDLC, OOP, Data Structures & Algorithms

Soft Skills

- **Technical Presentation & Knowledge Transfer**
- **Analytical Problem-Solving & Critical Thinking**
- **Cross-Functional Collaboration**
- **Adaptive Learning & Agile Mindset**
- **Efficient Prioritization & Time Management**