

# Shahem Al Hadid

## PROFESSIONAL SUMMARY

Shahem Al Hadid is a forward-thinking software engineer with a robust background in finance, bringing a blend of analytical acumen and technical expertise. Shahem developed extensive analytical insights as an auditor at Ernst & Young before his curiosity and a passion for lifelong learning propelled his deliberate transition to software engineering. He honed his skills in software development by graduating from the FastTrack Java Developer program and completing Hack Reactor, an Advanced Software Engineering Immersive, subsequently applying his acquired knowledge through impactful contributions during his internship at Apex Cloud Development. His adaptability and commitment to learning are evidenced by his successful enhancement of the iThink project using advanced tools like FastAPI and Docker, integrating the ChatGPT API. Shahem's diverse skill set allows him to craft practical and efficient solutions, aligning product requirements with user needs within fast-paced team environments.

## TECHNICAL SKILLS

**Programming:** Java, JavaScript, Python, Angular, React, TypeScript, HTML5, CSS3, SQL, Spring, Spring Boot, Django, FastAPI, JDBC, Jackson, JPA, jQuery, Node, webpack, Babel, Maven, npm

**Software:** Eclipse, VS Code, IntelliJ, Git, GitHub, cmd, pgAdmin

**Databases:** PostgreSQL, MongoDB

**Operating Systems:** Windows, MacOS

## PROFESSIONAL EXPERIENCE

### **Cook Systems – Memphis, TN**

**09/23 – present**

*FastTrack Developer*

*Twitter Clone*

- Delivered a robust User API for a Twitter Clone by architecting and developing functions like profile creation, updates, deletions, follows and user interactions, in collaboration with a three-member team aiming to replicate Twitter's core features
- Achieved seamless client-server communication by optimizing RESTful endpoints within the Onion Architecture, fulfilling the need for efficient frontend-backend interactions
- Streamlined backend operations by utilizing Spring Boot and JPA, given the challenge of ensuring responsive API-database model conversions
- Realized structured data storage by co-creating a PostgreSQL-backed database, aiming for robust application performance amidst growing user demands
- Successfully integrated user functionalities by collaboratively working with three developers, focusing on key backend components like APIs, DTOs, mappers, and repositories

Environment: Java, SpringBoot, JPA, PostgreSQL, PGAdmin, Postman, Git, IntelliJ, Maven

### **APEX Cloud Development – Remote**

**05/23 – present**

*Software Engineering Intern*

- Achieved a **15% improvement** in system responsiveness by employing profiling tools like cProfile and utilizing modular coding techniques in **Python**, and upheld a **98% QA pass rate** through close collaboration with QA teams
- Yielded a **20% reduction** in bounce rate and a **10% increase** in session duration by integrating feedback from 10 user testing sessions, employing Material Design principles, and coordinating A/B tests with UX researchers
- Collaborated with a team of 5 designers using Figma for interactive wireframes and prototypes

### **Kader – Amman, JO**

**11/19 – 11/20**

*Finance & Business Development Director*

- Raised **\$350,000** in funding and increased revenue from **\$0 to \$88,000** by developing financial analysis and projections, optimizing pricing strategies, and implementing targeted marketing and sales initiatives
- Boosted the platform's overall value and user experience by onboarding 132 employers (**72 paid subscribers**) and attracting **6,402 job seekers** to the platform

### **Ernst & Young – Amman, JO**

**10/17 – 10/19**

*Senior Auditor*

- Demonstrated exceptional attention to detail and ability to manage high-stakes responsibilities by auditing large-scale accounts, including some of Ernst & Young's biggest clients
- Enhanced efficiency and reduced manual processing time by an estimated **40%** by leveraging Excel VBA scripting and event-driven macros to automate complex auditing tasks

## **PERSONAL PROJECTS**

### **Full Stack Engineer**

2023

#### Movie Review Platform

- Engineered a movie review platform using a **microservices** approach to ensure scalable performance
- Integrated Spring Boot with MongoDB to optimize backend performance and streamline data access
- Managed efficient request handling, optimizing for high traffic and ensuring rapid data retrieval

Environment: Java, Spring Boot, React, MongoDB

### **Full Stack Engineer**

2023

#### iThink

- Built a full-stack brainstorming and idea generation platform utilizing the ChatGPT API and Excalidraw API
- Led a team of 3 engineers in an agile development environment
- Spearheaded the UX design using React and JavaScript, ensuring accessibility and A/B tested for optimal UX
- Utilized FastAPI with MongoDB, optimizing for rapid write speeds, to store real-time responses from the **ChatGPT API** efficiently
- Managed deployment of backend APIs and the whole system to **Gitlab**

Environment: Python, Tailwind, FastAPI, React, MongoDB

### **Full Stack Engineer**

2023

#### Car.ai

- Developed a full-stack dealership management system with microservices architecture for various dealership departments
- Improved latency by **40%** by implementing **REST API** microservice built on Django
- Implemented a dashboard analytics page using react-chartjs-2 for sales and service data visualization
- Developed an AI-based **microservice** to predict car prices, aiding in inventory pricing strategies

Environment: Python, React, Chartjs, Django, Gitlab, Docker, SQL

## **EDUCATION**

### **Cook Systems FastTrack Java Program – Remote**

09/23 – 10/23

*Concentrated Java Frameworks and Developer Tools Training*

### **Hack Reactor – Remote**

02/23 – 06/23

*Advanced Full Stack Software Engineering Certificate*

### **Forage – Remote**

08/23 – 08/23

*JPMorgan Software Engineering Virtual Experience Program*

### **MIT Sloan Executive Education – Remote**

12/17 – 03/18

*Blockchain Technologies: Business Innovation and Application*

### **Suffolk University – Boston, MA**

09/13 – 05/17

*Double Major Bachelor of Science in Accounting and Finance*