

# Yahya M. Baqer – Software Developer

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## EDUCATION

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### University Of Kirkuk

July 2023

Bachelor's Degree In Computer Science & Information Technology

**Key Courses:** Data Mining; Software Engineering; AI; Web Design & Programming; Data Structures; Numerical Analysis; Database Design; Algorithms; Operating System; Computer Networking

**Relevant Experience:** Team leader in graduation project. I effectively managed the team's activities and ensured the project was completed on time and within budget.

## CERTIFICATIONS, SKILLS & INTERESTS

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**Certifications:** [CS50x](#);

### Skills:

- **Programming Languages:** C/C++; JavaScript & TypeScript; Dart; Python; Java; C#; Kotlin; Julia
- **Frameworks:** Flask; ReactJs; Flutter
- **Unit Testing:** Catch2; PyTest; JUnit,
- **Technologies:** Google Cloud Platform; Git; Github; MySQL; SQLite3; Linux; Node.js; Office(Excel; Word)
- **APIs Development:** REST
- **Language Skills:** English(Fluent); Arabic(Native); Turkman(Native)

**Interests:** Science; Video games; Weightlifting; Running; Reading; Traveling; Puzzles

## EXPERIENCE

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### Freelance

Sep. 2023 – Present

#### Software Developer & Data Scraper

Remote

- Extracted large volumes of data (thousands of records) efficiently using web scraping techniques.
- Developed a functional web application from scratch for selling game assets, encompassing both front-end and back-end components.

### Kraken – Open Source

Oct. 2020 – Sep. 2023

#### Founder & Maintainer

Remote

- Created a versatile math library with functionalities for linear algebra, statistics, and numerical analysis.
- Optimized C++ algorithms via template specialization & metaprogramming.
- **Technologies:** C++—17/20; CMake; Catch2.

### Adhkar

Aug. 2023 – Sep. 2023

#### Flutter Developer

Remote

- Integrated SQLite database for 30% faster data access and smoother user experience.
- Enhanced scrolling animation by 50%, making navigation effortless.
- **Technologies:** Flutter; SQLite3;

### Iris – Open Source

Jun. 2023 – July 2023

#### Founder & Maintainer

Remote

- Developed a recurrent neural network model for natural language processing.
- Optimized model inference with custom C++ functions utilizing interlanguage communication.
- **Technologies:** Python; NLP; HTML5/CSS3/JS; Flask; Tensorflow; Jinja; C++—17.

### Internship in a Medical Institute

May 2022 – Sep. 2022

#### Accountant

Kirkuk

- **Streamlined Clinic Operations:** Built and managed an Excel system for doctor scheduling, boosting efficiency by 10%.
- **Optimized Workforce:** Proactive scheduling reduced scheduling conflicts by 15%.
- **Enhanced Communication:** Drafted official letters for inter-clinic communication.