# Mahmoud Mahmoud

Software Engineer

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## Education

**Conestoga College** (2024-Ongoing)
*Web Development and Internet Applications*

**Kwara State University** (2017-2022)
*Electrical and Computer Engineering*
GPA: 3.26/4.0

**Odin Project** (2022)
*Data Structures and Algorithms with Javascript*

## Languages

- Typescript
- Javascript
- Python
- C
- Bash
- PHP
- HTML5/CSS3

## Methods

- Algorithm Design
- Agile Development
- SCRUM
- Object Oriented Design
- UX Design
- Web Applications Design
- Git version control
- Complexity Analysis

## Technologies

- React.js
- Next.js
- Node.js
- MySQL/PostgreSQL
- AWS
- GCP
- Linux
- RESTful APIS
- GraphQL
- OpenAI

## Work Experience

**Full Stack Developer (Freelance) - *Upwork*** (January 2023-present)
*Profile Link: http://bit.ly/4b4h7t6*

- Engaged with clients to understand project requirements and provided technical expertise in proposing effective solutions yielding 100% job satisfaction on the platform. Launching two products into production.

- Developed and maintained responsive and user-friendly interfaces using React.js and React Native. utilizing native Web APIs and html canvas to create features on the frontend

- Implemented server-side REST API functionality and data storage solutions with Node.js, MongoDB, and SQL.

- Conducted thorough testing and debugging, collaborated with clients and teams to define API requirements and seamless integration. Ensuring timely delivery of tasks.

**Software Engineer Intern - *Hotels.Ng*** (October 2023- December 2023)
*Certification: https://certgo.app/c-07cb1822*

- Converted Figma screens to web applications using ReactJs, Styled components and Material UI

- Architected Redux thunks for the admin dashboard and set up UI admin control options to add, edit and delete data for a currency appliation

- Built responsive react components and engineered form validations, implemented live tables and charts, and co led a team of over 20 developers to contribute to Zurichat an open source workspace application like slack

- Successfully completed the program among other 300 finalists out of a pool of 11000

## Projects

**Mornings AI** (2024)
*Ai Alarm App: https://apps.apple.com/ca/app/mornings-talk-to-wake-alarm/id6468938130*

- Built a Minimum Viable Product and designed the project management workflow
- Utilized Websockets and React Native libraries to integrate the conversational feature
- Integrated the Google Cloud Platform text to speech API to generate natural sounding speech
- Integrated third party API's for voice generation into the application
- Managed Deployment of Node app with AWS EC2 instances

**FreshDubs** (2023)
*Video Dubbing app: https://fresh-dubs-3rd-iteration.vercel.app*

- Designed and Built a video editing User Interface using ReactJs
- Utilized ArrayBuffers and Base64 formats to construct audio waveforms and store audio for the database
- I set up AWS and MongoDB-Atlas for the deployement of the project
- Constructed the landing page and other marketing pages

**Zurichat**(2022)
*Open Source Workspace Application: https://github.com/zurichat*

- Contributed to the messaging thread functionality using React
- Improved User Interface of messaging Board

**Ripeness of Fruit Detection**(2020)
*Machine Learning script: https://github.com/Mavrik-jnr/Ripeness-of-Fruit-Detection*

- Designed and Built a machine learning algorithm that detects and determines ripeness of Oranges, Bananas, and pineapples.