

# ZAMZAM ALI

## SOFTWARE ENGINEER

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### EDUCATIONAL BACKGROUND

UNITED STATES INTERNATIONAL UNIVERSITY, AFRICA

Nairobi, Kenya

Bachelor of Arts in International Relations

2020-2024

- **Major:** International Relations
- **Minor:** French
- **Concentration:** Development studies

AFRICAN LEADERSHIP UNIVERSITY (ALX)

Nairobi, Kenya

Software Engineering Program

2023-2024

- **Focus:** Software Engineering
- **Accreditation:** Computer Science
- **Program Coursework:** Front-End Engineering, Back-End Engineering, Full-Stack Engineering, Graphics Engineering, DevOps Engineering, Mobile App Development, Embedded System Engineering, Systems Administration, Cyber Security Engineering.

### CERTIFICATIONS

HARVARD UNIVERSITY

REMOTE

Introduction to Computer Science

2022-2023

- **Learning Outcomes:** Data Structures, Algorithms, C, Python, SQL, JavaScript, CSS, HTML.
- **Certificate:** CS50x
- **Coursework:** 10 problem sets, 9 labs, 1 final project.

UDEMY

REMOTE

The Complete 2023 Web Development Bootcamp

2022-2023

- **Learning Outcomes:** *Front-End Web Development:* HTML 5, CSS 3, Flexbox, Grid, Bootstrap 5, Javascript ES6, DOM Manipulation, jQuery, Bash Command-Line. *Backend Web Development:* Node.js, NPM, Express.js, EJS, REST, APIs, *Databases:* SQL, MongoDB, Mongoose, *Authentication:* Firebase. React.js, React Hooks Web Design Deployment with GitHub Pages, Heroku, and MongoDB Atlas.
- **Certificate:** Full-Stack Web Development.

### EMPLOYMENT

WEB DEVELOPER

MOUNTAIN SLOPES INTERNATIONAL (STARTUP)

Jan-Apr 2023

Organization Website: (<https://mountain-slopes-international-website.vercel.app/>):

- Crafted interfaces prioritizing user experience, merging user needs (UX) with design principles (UI) to drive engagement.
- Collaborated adeptly with teams – Product Managers, designers, and CRM specialists – fostering efficient collaboration.
- Utilized HTML, SCSS, CSS, JavaScript, and PHP, alongside GitHub, Git, and VS Code.
- Ensured Quality Assurance through rigorous testing and peer feedback, resulting in high-quality outputs.
- Implemented backend principles and REST architecture, facilitating seamless integration.

SENIOR WEB DEVELOPER

MOUNTAIN SLOPES INTERNATIONAL (STARTUP)

Apr-Aug 2023

I received a promotion to a managerial position within the same organization:

- I successfully led and managed a team of four developers, establishing clear project scopes, priorities, and timelines for my team.
- Data-Driven Framework Creation: I streamlined all organizational activities through data analysis and implementation, implementing models such as decision trees in decision analysis.
- Quality Assurance: I maintained rigorous testing procedures and conducted peer code reviews to ensure the code produced met a high level of quality and reliability.

SHOPIFY DEVELOPER

AYRES ORIGINALS

Aug-Sept 2023

I created an E-Commerce platform for the sale of products owned by Ayres Originals(<https://ayresoriginals.com/>):

- Customized Shopify themes using Liquid, HTML, CSS, and JavaScript to create a user-friendly shopping environment.
- Implemented and integrated third-party apps and payment gateways to enhance the platform's functionality.
- Optimized site performance through image optimization and code minification, ensuring faster loading times.
- Implemented robust security measures to safeguard customer data and maintain the platform's integrity.
- Search Engine Optimization through keyword research, on-page optimization, backlink building, and continuous performance analysis to enhance our platform's search engine visibility and organic traffic.

### SOFTWARE PROJECTS

Github: <https://github.com/developer020> (For additional information and projects)

iOS ChatGPT App [Link: <https://www.youtube.com/watch?v=D6bBDLWg1sI>]

- Using Swift and Objective-C I created an iOS application for ChatGPT
- Due to the high gas fees associated with developing a fully-fledged app, OpenAI only had a web application for ChatGPT
- I solved this issue by hosting the ChatGPT web application within a WebKit view in my application.

Tindog (Tinder for dogs) [Link: <https://developer020.github.io/TinDog/>]

- Using HTML, CSS, and Bootstrap I developed a front-facing static website, functional across all devices.
- The website is a single landing page that markets a mobile application known as Tindog to users.
- It links users to, what should be, the actual Tindog application.

Apple Dupe [Link: <https://developer020.github.io/Apple-Dupe/>]

- Using HTML, and CSS, I recreated Apple's products landing page.
- Utilizing UI/UX design and ViewPort functionality, I could deploy the webpage on multiple devices.
- On the landing page, the proponents and links redirect users to the actual product pages of Apple Inc.

Portfolio Website [Link: <https://zamzamdeveloper.vercel.app/>]

- I coded a personal portfolio website for all my projects using HTML, Tailwind CSS, Next.js, and Vercel for deployment.
- UI/UX design was a big part of this project, prioritizing user engagement.

### SKILLS

- **Software:(proficient):** HTML/CSS, JavaScript, Bootstrap, Tailwind CSS, Next.js, Node.js, Express.js, jQuery, Liquid, Git/GitHub (*familiar*): C, Swift, React.js, Python, SQL, MongoDB, React Native