

AlWaleed Musa Madibo

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SUMMARY

Motivated Full-Stack Django Developer with a strong foundation in web development, honed through the ALX Software Engineering Program. Transitioning from a background in mobile repairs, I bring exceptional attention to detail, problem-solving skills, and a hands-on approach to building scalable, innovative web applications.

TECHNICAL SKILLS

Languages: Python, SQL (MySQL, SQLite, PostgreSQL), JavaScript, HTML/CSS, C
Frameworks: Django
Operating Systems: Linux (Ubuntu), Windows
Front end Frameworks / Libraries: HTMX, Bootstrap
Cloud / DevOps: AWS, Nginx
Version Control: Git, GitHub,
Project Management / Collaboration: Trello, Notion

SOFT SKILLS

Problem-solving: Able to identify, analyze, and develop solutions for complex problems in both individual and collaborative settings.
Communication: Strong verbal and written communication skills, especially in explaining technical concepts to non-technical stakeholders.
Adaptability: Quick to learn and adjust to new technologies and frameworks, having successfully transitioned from a mobile repair background to software development.

EDUCATION

ALX Software Engineering Program <i>Certificate in Software Engineering</i>	Online Sep. 2023 – Oct. 2024
Al-Ribat National University <i>Bachelor in Business Administration</i>	Khartoum, Sudan Jun. 2009 – Mar. 2013

EXPERIENCE

Virtual Experience on Forage <i>J.P. Morgan Software Engineering</i>	Aug. 2024 Online
<ul style="list-style-type: none">Set up a local dev environment by downloading the necessary files, tools and dependencies.Fixed broken files in the repository to make web application output correctly.Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.	
AI-Driven Assignment Feedback Web Application <i>Full-Stack Developer</i>	Personal Project Sep. 2024 - Present
<ul style="list-style-type: none">Developed an AI-driven web application using Django, Gemini AI, Python, and Bootstrap to provide automated feedback on Python assignments submitted by users.Integrated an interactive IDE within the platform, allowing users to write and test Python code directly within the web interface.Incorporated real-time feedback functionality, enabling users to receive detailed suggestions on how to improve their code and solve issues.Created and maintained the platform to support viewers of my YouTube channel, "PySudan," helping them improve their Python skills.	

PROJECTS

- Ejaraat** | *Python, Django, HTMX, Bootstrap, JavaScript, Git, PostgreSQL, AWS* Oct. 2024 – Present
- Designed and developed a full-stack web application for property management, enabling landlords and property managers to manage rentals.
 - Integrating PostgreSQL for database management and implementing advanced querying techniques to provide efficient property management.
 - Implemented real-time updates and dynamic user interface elements using HTMX, WebSockets.
 - Created an intuitive dashboard for landlords and Property managers.
 - Developed user authentication using Django-Allauth for secure login, registration.
 - Integrated AWS for cloud hosting, ensuring high availability and scalability of the application as it expands.
 - Built a responsive, mobile-friendly frontend using Bootstrap, ensuring a seamless experience across devices for users.
- MicroJumpers** | *Python, Django, HTMX, Bootstrap, JavaScript, Git, MySQL, Figma* Jun. 2024 – Jul. 2024
- Designed and developed a full-stack web application, enabling mobile repair technicians to connect, collaborate, and share knowledge seamlessly in a community-driven platform.
 - Implemented robust user authentication with Django-Allauth, ensuring secure login, registration, and account management for a diverse user base, enhancing security and user experience.
 - Integrated a rich text editor, enabling users to create posts and comments with detailed content, including images, to seek assistance.
 - Developed a mobile-responsive frontend with Bootstrap, providing users with a consistent and smooth experience across various devices.
- JanJaween Punisher (Game)** | *JavaScript, HTML5 Canvas, Bootstrap, Git, Pixel Art* Feb. 2024 – Present
- Developed a 2D shooting game using HTML5 Canvas and JavaScript to reflect the personal impact of the war in Sudan, portraying a soldier fight against the RSF militia.
 - Designed engaging gameplay mechanics where the player controls a Sudanese army soldier to battle against enemy militia soldiers in a fast-paced, action-packed environment.
 - Implemented smooth animations and responsive controls for a dynamic user experience.
 - Leveraged Bootstrap for the user interface design to ensure an intuitive and responsive layout, enhancing accessibility and playability.
- Open Source Contributions** | *GitHub, Python, Django* Ongoing
- Contributed to the open-source project **django-allauth**, where I found, reported and fixed a minor bug.
 - This was my first contribution to an open-source project, and I am willing to continue supporting the community through contributions and bug fixes.

CERTIFICATIONS AND ACHIEVEMENTS

- Ranked **1st** in GitHub Sudan public contributions (2024)
- ALX Software Engineering Program (2023 – 2024)
- ALX AiCE, AI Carrier Essentials (2024)
- CS50P (2024)
- META Django Web Framework (2024)