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 — Online
Certificate in Software Engineering — *Sep. 2023 – Oct. 2024*

Al-Ribat National University — Khartoum, Sudan
Bachelor in Business Administration — *Jun. 2009 – Mar. 2013*

EXPERIENCE

Virtual Experience on Forage — Aug. 2024
J.P. Morgan Software Engineering — *Online*

- 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 — Personal Project
Full-Stack Developer — *Sep. 2024 - Present*

- 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.

JanJaweed 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)