Mary Kwawu

CONTACT

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SKILLS

Technical Skills

Programming languages: Python, Node.js, JavaScript

DevOps: Heroku

REST API Development: Flask, Node.js

Frontend: Angular

Databases: Postgresql, MongoDB

Version Control: Git

Test Automation: Jasmine, Karma

IDE: PyCharm, Vscode, IntelliJ

Methodologies: OOP, TDD, Agile, CICD

Soft Skills

- Enhanced communication proficiency
- Demonstrated leadership capabilities
- Effective time management expertise
- Exemplary attention to detail Proven ability to collaborate within team dynamics
- Adeptness in thriving within fast-paced environments
- Robust problem-solving acumen

LANGUAGES

French:

Beginner

PROFESSIONAL SUMMARY

Knowledgeable software engineering professional with experience in Angular, Flask, Postgresql, Docker, Kubernetes, building, testing and deploying scalable and modular software products. Organised and hardworking team player. Uses strong interpersonal skills to work well with internal and external stakeholders to meet project technical requirements. Knowledgeable developer with proven success designing web pages that enhance functionality, branding and navigation. Delivers both front- and back-end development across mobile and web applications. Experienced in establishing thorough testing frameworks to guarantee high-quality code.

WORK HISTORY

Junior DevOps Engineer   01/2024 - 03/2024

TIA CLOUD - GREATER ACCRA, GHANA, Ghana

Work Scope

- Participating in daily stand-up meetings alongside the technical lead and team members
- Actively involved in managing pods within the Kubernetes cluster
- Engaging in collaborative efforts with team members to construct pipelines.
- Conducting thorough testing of laboratory setups by deploying them on Azure Container Registry
- Uploading laboratory configurations to Azure Container Registry
- Establishing connections between the generated images and Azure Kubernetes Services for seamless integration

Responsibilities

- Establishing Docker Swarm-based environments for laboratory setups to enhance productivity by 100%
- Drafting comprehensive documentation outlining the process of creating lab images with a 100% focus.
- Establishing connections between the built labs and Azure Kubernetes Services.
- Employing Azure Container Registry for building and storing lab images, enhancing the process by 100%.

Achievements

- Configuring labs integrated with Datadog monitoring and utilizing External Secrets management with a 100% commitment.
- Creating a streamlined pipeline exclusively utilized for the 100% automated construction of laboratory images.
- Crafting a script to facilitate the efficient deployment of laboratory environments, ensuring deployment efficiency by 100%.
- Successfully developed lab images that can spin up within seconds, ensuring rapid deployment with a 100% efficiency rate

Angular Developer   11/2022 - 01/2024

ALX-Africa - Accra, Greater Accra Region

Work Scope

Daily update of code base daily

- Fix bugs
- Attending daily stand-ups
- Code review session with mentor

Responsibilities

- Built card game in Angular
- Built backend in Flask
- Database management in Postgresql
- Documented software specifications, aiding in future troubleshooting and updates.
- Executed comprehensive testing procedures, identifying and addressing software bugs for enhanced reliability.

Achievements

- Wrote clean, clear and well-tested code for card game project 100%.
- Designed web pages to enhance navigation 100%.
- Participated in cross-functional brainstorming sessions, contributing creative ideas for product improvement 100%.
- Utilised version control systems to manage and track changes in codebase 100%

Software engineer   09/2021 – 01/2022
Turntabl - Accra, Ghana
Work scope

- Build systems
- Test and evaluate new programs
- Write APIs
- Implement efficient code

Responsibilities

- Write APIs
- Implement efficient code
- Write Unit Test

Achievements

- Built fully functional frontend with 100% efficient code
- 100% testing of API's with Postman
- 100 % passing of Unit Test
- Regularly update group GitHub with new updates, contributions, and improvements 100%

Full stack developer   03/2021 – 05/2021
MEST Africa - Cape Coast, Central Region
Work Scope

- Weekly Demos of products built
- Daily stand-ups
- Group Presentation
- Demo of fully functional products

Responsibilities

- Write APIs
- Test and evaluate new programs
- Implement efficient code
- Build Systems

Achievements

- 100% Participated in code review sessions and reported on findings.
- 100% Designed software mechanisms to improve code stability, performance and re-usability.
- 100% Decreased system failures with diligent execution of unit and load testing.
- 100% Optimized user experience by ensuring well-developed, standards-compliant front and back-end code

- Participated in code review sessions and reported on findings.

EDUCATION

Associate Foundation in Software Engineering : Git, Linux, HTML, CSS, JavaScript, Angular, Flask, 11/2022 – Current
ALX Africa – Accra, Greater Accra Region

Associate Pre MEST : MERN STACK And Soft Skills Development : MERN Stack, 03/2021 – 05/2021
MEST Africa – Accra, Greater Accra Region

Bachelor of Education in Social Studies: Majored in Geography Minored in Economics, Sociology, History, And Educational Psychology , 08/2015 – 09/2019
University Cape Coast – Ghana