Molife Chaplain

480-531-2149 • drmolife366@gmail.com • https://www.linkedin.com/in/molife-chaplain/• https://github.com/Guardian366

EDUCATION

MS. Computer Science, Arizona State University, Tempe, AZ   08/2021
BS. Computer Science, Ashesi University, Berekuso, Ghana   06/2020

SKILLS

Programming Languages: Python, Java, HTML, CSS, JavaScript, TypeScript, C++, SQL, Spark SQL, Django
Frameworks and Libraries: React.js, Node.js, Mockito, Hadoop, Apache Spark, TensorFlow, Keras, PyTorch
Tools: Figma, GitHub, Gitlab, Google CoLab, Microsoft Office Suite, Squarespace, Hadoop, CI/CD, Jenkins
Databases: MySQL, PostGre SQL, SQS, AWS

PROFESSIONAL WORK EXPERIENCE

Software Engineer, Magnolia Capital, United States   01/2023 – Present
- Designed an application that reduced documentation time by 25% in first 3 months of tenure.
- Leads the design and implementation of system enhancements and new applications for company software systems.
- Leads the design and implementation of test plans and tests for new enhancements and products.
- Manages every stage of the SDLC for all software related products, enhancements, and changes.
- Manages the Twilio application, engagements, and enhancements for the company.
- Participates in and leads the AI supported data analysis to generate reports and explain reports to investors and executives.
- Enforces the use of QA servers for products to ensure tests are done in a functional test bed.
- Manages deployment of code and the server environment for all products the team owns.
- Manages communication between product team and the rest of the business to decide software requirements.
- Manages the Product Support Queue to ensure service and bug requests are timely handled.
- Manages ticket allocation, updates, and follow up with stakeholders and Product Team members.
- Provided and encouraged proper documentation of changes and systems for all the team's applications and products.

Software Development Engineer, Amazon, United States   08/2021 – 11/2022
- Designed new features and refactored applications on over 20 million Alexa Video devices.
- Developed APIs for the team and accessed other APIs to enhance user experience on Alexa devices.
- Improved the device metrics and documentation Latency on devices which decreased troubleshooting time by over 40%.
- Led team metrics' transition to a new system and wrote documentation to ensure knowledge transfer.
- Wrote test scripts for all device code using Mockito for Java Development which reduced device errors by 5%.
- Led the deployment and testing of code changes using Git.
- Provided code reviews for team members and feedback on suggested changes by senior engineers.
- Deployed new video device application features to QA and Beta environments with CI/CD pipelines.

Data Analyst Assistant, Mastercard Foundation (Baobab), United States   06/2020 – 08/2020
- Cleaned data from student surveys to make it easier to analyze and draw insights from.
- Analyzed student data using python, Google services, and other analytics tools which reduced reporting time by over 30%.
- Generated detailed reports of the distribution and types of responses from students to different surveys.
- Developed a staff to student engagement plan for the scholarship executives to improve communication and student participation.
- Provided suggestions for improved planning and development of strategies for student support and improved quality of life.
- Generated and presented package reports to the scholarship stakeholders and partners.