

# Molife Chaplain

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## EDUCATION

**MS. Computer Science**, Arizona State University, Tempe, AZ

07/2019 - 08/2021

**BS. Computer Science**, Ashesi University, Berekuso, Ghana

06/2016 - 06/2020

## SKILLS

**Programming Languages:** Python, Java, HTML, CSS, JavaScript, TypeScript, C++, SQL, Spark SQL.

**Frameworks and Libraries:** React.js, Node.js, Mockito, Hadoop, Apache Spark, TensorFlow, Keras, PyTorch, Django.

**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 II, Magnolia Capital**, United States

2023 – Present

- Designed an application that reduced document reconciliation time by 25% in the 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

2021 – 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

2020 – 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.