

Molife Chaplain

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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, Magnolica Capital, United States

01/2023 – Present

- Designed an application that reduced documentation time by 25% in first 3 months of tenure.
- Designs and implements system enhancements and new applications for company software systems.
- Designs and implements 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.
- Demanded QA servers for products the team owned 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 documentation for product enhancements and changes to ensure knowledge transfer.
- 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 refactoring of the applications on Alexa Video devices.
- Developed APIs for the team and accessed other APIs to enhance user experience on Alexa devices.
- Designed and developed the metric system to improve the documentation of User Perceived Latency of devices.
- 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.
- Lead 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 analyse and draw insights from.
- Analysed student data using python, Google services, and other analytics tools.
- Generated detailed reports of the distribution and types of responses from students to different surveys.
- Designed and 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.