C. Larraine Mensah

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TECHNICAL SKILLS

- **Development**: Java, Python, C/C++, SQL, Javascript, Node.js, PHP, Groovy, Apache Tomcat
- **CI/CD**: Jenkins, Splunk, Dynatrace, VMWare Aria, Chef, Digital.ai, Axon Framework, Apache Maven
- **Cloud Computing**: AWS, Azure, Cloud Foundry, GCP
- **Container Orchestration**: Docker, Kubernetes, Apache Hadoop/Kafka
- **Other**: Microsoft 365, OracleDB, Redis, Postgres

WORK EXPERIENCE

Mastercard   St. Louis, MO
BizOps Engineer   August 2023 - Present
- Pinpoint CI/CD gaps and address them with automated solutions to reduce toil, cut overhead costs, and boost operational resiliency
- Collaborate with development, business, and operational stakeholders during the planning and application build phases to ensure production readiness
- Initiate and drive real-time incident management and root-cause analysis with stakeholders using DevOps tools to investigate application and infrastructure-related concerns

CyberArch   Athens, GA
Student Intern   Sept 2022 - May 2023
- Consulted with local government agencies and organizations to establish a culture of information security and contribute to stronger cyber infrastructure throughout the state of Georgia
- Leveraged consulting foundation and CIS & CCSMM cybersecurity frameworks to provide customized solutions

Fast Enterprises   Centennial, CO
Implementation Consultant Intern   May 2022 - Aug 2022
- Implemented an ad-hoc process using SQL and Power Query to optimize and organize the internal operations of GenTax, an integrated tax processing software package used by 43 state governments
- Consulted with internal stakeholders to identify and understand current gaps in operational excellence

Computational Drug Discovery Laboratory   Athens, GA
Undergraduate Research Assistant   Sept 2021 - Dec 2022
- Collaborated with a team of bioinformatics researchers to expand upon the functionality of DeepDISE, a computational method developed to predict the location of DNA binding sites
- Implemented a deep learning model using Python and machine learning to predict the location of RNA binding sites with the goal of understanding their interactions with potential pharmaceutical candidates

PROJECT EXPERIENCE

Virtual Memory Simulator   Feb 2023 - Mar 2023
- Utilized C to build a virtual memory simulator for a 16-bit machine using paging and page replacement techniques to simulate execution of processes not fully in memory

Multi-threaded Web Server   Feb 2023
- Utilized C to build a multi-threaded web server using socket programming, thread pools, semaphores, and mutexes in a Linux environment

Auto-Grader for a C++ Program   Feb 2022
- Utilized Python, AWS/Elastic Beanstalk, Docker, Flask, and Linux containers to create a program that allows for users to upload and auto-grade a C++ program

Grade Tracker   Jan 2022 - Nov 2022
- Utilized Python and SQL to create an application that allows for users to register, log in, and track averages for both individual grade weight categories and the overall course

Mock E-Commerce Website   Jan 2022 - May 2022
- Led a team in building an online bookstore website while following a hybrid waterfall-agile model and using SQL, PHP, JavaScript, HTML, and CSS

EDUCATION

Bachelors of Science in Computer Science   Athens, GA
University of Georgia, School of Computing
Honors: Dean's List (x5), Rho Xi Zeta Scholarship, HOPE Scholarship