Abdal Khan

abdalmk98@gmail.com | 443-310-1140

EDUCATION
University of Maryland, Baltimore County

B.S. Computer Science   *August 2018 – May 2022*

SKILLS
Programming Languages: Python (Intermediate), JavaScript (Intermediate), Bash (Intermediate), AngularJS (Basic), Terraform (Basic), SQL (Basic), Java (Basic), C/C++ (Basic)
Other: Agile Development, Scrum
Other Languages: HTML, CSS/Bootstrap, JSON, XML
Platforms: Windows, Linux
Tools: VMware, PuTTy, Google Colab, Jupyter Notebook, Git, Bitbucket, Github, GitLab, Jenkins, UrbanCode Deploy, SonarQube, Selenium, Confluence, JIRA, Splunk, Github Copilot
AWS: Lambda (Basic), Elastic Container Service (Basic), Elastic Container Registry (Basic), CloudWatch (Basic), SQS (Basic), SNS (Basic), S3 (Basic)
Certifications: AWS Cloud Practitioner

EXPERIENCE
Fannie Mae

Application Developer   *July 2023 – Present*
- Developed an automated reporting script that outlined discrepancies and errors in the Jenkins *Pipeline as Code* configurations that were then emailed to a DevOps team as a HTML report with attachments detailing issues for remediation
- Utilized SonarQube to identify security gaps in the application code and upgraded critical vulnerabilities, remediating gaps in application security and maintaining a 99% uptime for critical business operations
- Authored detailed Confluence pages that documented critical application processes, enabling efficient testing, refactoring, and resolution of security related issues
- Configured jenkins jobs to automate email workflows, enabling comprehensive testing of real-world application responses across various possible business scenarios
- Enhanced test data quality for a fraud detection application to align better with the production data, ensuring more accurate and reliable testing
- Regularly held meetings with business people and documented requested features to implement into our applications for ease of use

MSHI Solutions LLC

Independent Contractor   *February 2020 – August 2020*
- Automated photo uploads by developed a Python script integrated with jAlbum through a command-line interface (CLI)
- Maintained and updated a website by managed photo uploads and content changes through FTP using JavaScript and HTML

PROJECTS
Discord AI Chatbot | Python, Google Colab   *July 2022*
- Created an AI chatbot by training on a DialoGPT model using a custom transcript
- Integrated the chatbot with Discord API, enabling seamless user interactions with the Discord platform

Portfolio Website | HTML, CSS/Bootstrap   *July 2021*
- Developed a responsive portfolio website to display personal projects, ensuring accessibility and optimal user experience across desktop and mobile devices

EPOCH Medical Web Portal | HTML, CSS/Bootstrap, JavaScript   *June 2021*
- Designed a medical web portal that stored and processed patient data
- Collaborated with a doctor to identify common UI design issues while using real world applications, enhancing the medical portal's usability.