

Abdal Khan

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WORK EXPERIENCE

Fannie Mae

Software Engineer

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.

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), SQL (Basic), Java (Basic), C/C++ (Basic)

Web Technologies: HTML, CSS/Bootstrap, JSON, XML

Tools: VMware, PuTTY, Google Colab, Jupyter Notebook, Git (Bitbucket, Github, GitLab, Github Copilot), Confluence, JIRA

Security & Testing: SonarQube, Selenium, Splunk

DevOps & Cloud: Jenkins, AWS (Lambda, ECS, ECR, CloudWatch, SQS, SNS, S3), IaC (Terraform), UrbanCode Deploy, Incident Management, Automation (Scripting, CI/CD)

Certifications: AWS Cloud Practitioner

Methodologies: Agile Development, Scrum, Kanban