

# BARSHA KAFLE

(410) 302-2957 | Ellicott City, MD | [bkafle.official@gmail.com](mailto:bkafle.official@gmail.com)

## EDUCATION

### Towson University

Masters in Computer Science

Bachelor of Science in Information Technology

- Study Abroad- Rome, Italy

**Towson, MD**

January 2020-May2022

May 2015-May 2019

Fall 2018

## RELATED EXPERIENCE

### Revenue Solutions Inc.

Consultant- DevOps Engineer

- Designed and implemented scalable and reliable cloud infrastructure using AWS, Kubernetes, and Terraform, reducing infrastructure costs by 40% and improving application performance by 50%
- Implemented automated CI/CD pipelines using Jenkins, Git and GitHub, reducing deployment time by 60% and improving application reliability by 70%.
- Configured and managed Linux servers for multiple environments, ensuring high availability and security.

**Wilmington, DE**

December 2020-Present

Associate Consultant- Quality Assurance Analyst

June 2019- December 2020

- Managed and Trained 15+ client teams to walk through new and old functionalities.
- Communicated directly with the clients, development, project management teams.
- Utilized SQL for data analysis, reports, table maintenance, updates, record removal, and inquiries, increasing productivity and efficiency by 75%.
- Mentored a group of approximately 10 Quality Assurance Analysts on the organization evolving approach to requirements management and best practice.
- Reviewed files, records, and other documentation to obtain business information and key data informing responses to develop requests.
- Earned project recognition in March 2019 for strong performance, communication, and commitment to the team and client.

### NextRev Technologies

Intern

**Baltimore, MD**

Summer 2018

- Designed and created a website using HTML, CSS, JS for the company.
- Integrated cloud in the website with AWS services such as AWS Lambda functions, Cognito, API.
- Manages AWS infrastructure including EC2 instances, S3 storage, and RDS databases, resulting in 30% reduction in infrastructure costs.

## RELEVANT PROJECTS

### CI/CD Pipeline deployment with deployment automation using Jenkins, Docker, and AWS ECS

- Set up and maintained a robust CI/CD pipeline on AWS cloud infrastructure using Jenkins and Docker, streamlining the software delivery process. Utilized Jenkins to build, test, and package the application as Docker images, and pushed them to a Docker registry for easy distribution. Implemented deployment automation with Jenkins and AWS Elastic Container Service (ECS) to ensure efficient and reliable application deployment to the cloud.

### AWS Cloud Project

- Designed, built, and deployed a highly scalable web application on AWS cloud infrastructure using Docker, Jenkins, and AWS Elastic Beanstalk. Containerized the application with Docker to enable easy portability and scalability, and utilized Jenkins to automate the deployment pipeline, ensuring smooth and reliable application delivery. Hosted the application on AWS Elastic Beanstalk, leveraging its auto-scaling and load-balancing capabilities to handle high traffic demands and improve application performance.

### Serverless Architecture Project

- Architected and implemented a serverless architecture on AWS cloud infrastructure using AWS Lambda and Docker, resulting in a highly scalable and cost-effective solution. Leveraged Docker to package and deploy Lambda functions, improving the deployment and deployment process, and utilized Jenkins to automate the deployment pipeline, ensuring a seamless and reliable delivery process. Implemented event-driven processing with AWS Lambda, enabling real-time data processing and improving application performance.

### Ansible based configuration management for Jira on Ubuntu

- Designed and implemented an Ansible-based configuration management process for Jira on Ubuntu using bash, ensuring consistency and reliability of the Jira environment. Developed Ansible playbooks and roles for the configuration management of Jira and its dependencies, including the Java Runtime Environment (JRE), Apache Tomcat, and other supporting software. Achieved automation of the configuration management process, resulting in increased operational efficiency and reduced deployment time. Successfully maintained Jira's high availability, data integrity, and system security by implementing robust configuration management processes.

## ADDITIONAL INFORMATION

**Interests:** Programming | Cloud | Strategy Building | Professional Development |

**Skills:** Docker | AWS Cloud | Jenkins | MySQL | Working knowledge of Java, HTML, CSS, C++, and Bash | Microsoft Office (Excel, Powerpoint, Word) | Team Foundation Server | Agile and Scrum | SDLC | Communication | Teamwork |