Abdur Rahman

Toronto, Ontario | abdur.rahman.kalim@gmail.com | +1 (123) 456-7899

linkedin.com/in/abdurrahmankalim | github.com/arkalim | arkalim.org

WORK EXPERIENCE

DevOps Intern   Sep 2022 – Present
16Bit.ai | Toronto, Canada

- Strategically optimized the product's infrastructure on AWS, resulting in a remarkable cost reduction of over 50% while fortifying network security.
- Improved the product's availability and fault tolerance through dynamic horizontal scaling on AWS, ensuring uninterrupted service and enhancing user experience.
- Automated integration testing using PyTest, effectively saving over 4 hours of manual testing time in each sprint.
- Developed Python scripts to streamline product installation on customer sites, significantly reducing onboarding time by over 200%.
- Actively engaged with potential customers as the lead developer, providing technical guidance and support to drive customer success which increased product adoption by over 20%.
- Architected and developed a cloud-native version of the product on Kubernetes and packaged it as a Helm chart for ease of deployment, distribution and versioning.
- Enhanced operational efficiency by implementing GitOps at scale using Rancher Fleet, enabling centralized management of multiple K8s clusters on a single dashboard.
- Established robust Kubernetes cluster monitoring through Prometheus & Grafana and introduced container log aggregation using Grafana Loki.
- Implemented a reliable cluster backup and restore solution using Velero, guaranteeing data integrity and swift disaster recovery.

Backend Engineer   June 2021 – Aug 2022
BuyerAssist.io | Pune, India

- Developed an event-driven serverless integration framework using AWS Lambda and EventBridge, facilitating seamless synchronization of customer data between Salesforce and BuyerAssist.
- Designed and implemented a configuration-driven framework to enhance the pattern-matching capability of AWS EventBridge, preventing over 1000 false invocations of AWS Lambda functions every day.
- Implemented a system to track asynchronous data transfer jobs through AWS AppFlow, which reduced the issue tracking time to under 5 mins.
- Developed a Salesforce app using SFDX to provide clients with a customized experience within their Salesforce dashboard.
- Developed a Slack bot that sent interactive daily notifications to customers, enabling them to take direct actions from Slack. This streamlined operations and boosted sales by over 50%.

PROJECTS

Kindle to Notion   View in GitHub

- Developed a NodeJS application that seamlessly synchronizes highlights captured on a Kindle e-reader with Notion, my preferred productivity management app.
- Implemented an efficient incremental sync mechanism, eliminating the need for re-syncing old highlights.
- Containerized the application using Docker and established a CICD pipeline to build and push a new image every time the application is modified.
- Leveraged GitHub Actions to automate syncing of highlights whenever updates are made.
- Proactively fostered a community of developers who actively contribute to the project, enabling continuous improvement and growth.

Obsidian Publish using GitHub Action   View in GitHub

- Developed a NodeJS application to parse and convert Obsidian notes to MkDocs markdown format.
- Built a CICD pipeline using GitHub Actions to publish the notes as a static website every time the notes are modified.
- Implemented image auto-compression to optimize loading speeds on web browsers, enhancing the overall user experience.

CERTIFICATIONS

AWS Solutions Architect – Associate (AWS SAA)   View credentials

AWS Developer – Associate (AWS DVA)   View credentials

EDUCATION

MSc in Applied Computing (MScAC) – *Computer Science*   Sep 2022 – April 2024
University of Toronto (Canada)

Bachelor of Technology (B. Tech.)   July 2017 – May 2021
National Institute of Technology, Trichy (India)

SKILLS

DevOps | Docker | Docker Compose | Kubernetes | CI/CD | GitOps | Argo CD | Helm | Kustomize | GitHub Actions | Cloud | AWS | GCP | Jenkins | Ansible | Automation | Terraform | NodeJS | Python | JavaScript | TypeScript | Backend Development | FastAPI | Bash | Scripting | Linux | Logging | Monitoring | Prometheus | Grafana | Project Management | Communication | Leadership | Time Management | Adaptability | Problem Solving | Teamwork | Creativity