Daniel Jude Gonsalves

Cloud and DevOps Engineer

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Experienced in cloud technologies and DevOps, with a strong foundation in technology. Published research on virtual data centers in UGC Care Journal and received the best presentation award in an International College-Hosted Conference. Completed a full-time live course in Cloud and DevOps from Hero Vired, completing over 15 live projects through assignments. At Plan9.ai, advanced from intern to a Cloud Ops and DevOps role, driving infrastructure development. Dedicated to facilitating successful cloud transitions and developing impactful solutions in innovative organizations.

SKILLS

- DevOps, Cloud Computing, AWS, Azure, Kubernetes, Terraform, Jenkins
- CI/CD Pipeline, Python, Bash/Shell Scripting, Docker, Prometheus, Grafana
- GIT, Networking, System Monitoring, Lambda Functions, Auto Scaling Groups (ASG)
- S3 Bucket Management, EC2 Instances, Backup and Recovery Solutions, Windows/Linux/Mac
- Office 365 (O365), Google Suite, CRM (HubSpot, ServiceNow), PC and Server Hardware Infrastructure, Presentations and Communication.

EXPERIENCE

Plan9, New York, NY   January 2024 – April 2024
CloudOps and DevOps (Remote)

- Investigated advanced reporting software beyond Tableau to enhance insights into AI bot performance.
- Implemented Grafana Setup on IaaS Cloud, resulting in an 80% cost reduction.

Plan9, New York, NY   January 2023- March 2023
Cloud and DevOps Intern (Remote)

- Constructed a Comprehensive Cloud Infrastructure to host AI Bot backend and WebApp Frontend.
- Configured High Compute AMD Servers to optimize performance for AI Bots and intensive workloads.
- Achieved over 75% cost reduction by setting up Dual VPS systems with Dual High Compute Servers for AI Bot Backend and basic instances in Ionos Cloud.
- Orchestrated all resources, including S3 Backup, WebApp, and Load Balancer, within a budget of $450.

CERTIFICATIONS

Azure Fundamentals AZ-900   July 2024
AWS Certified Cloud Practitioner   June 2024
Cloud and DevOps Certified Engineer- HeroVired   June 2024
OCI Oracle Foundations Associate   August 2023
NPTEL Cloud Computing   April 2023

PROJECTS

Learning Management System in MEAN   June 2024
HeroVired Captsone Project (Group)

https://github.com/djag7/lms_mean_project

- Deployed and scaled a Learning Management System (LMS) in AWS utilizing the MEAN stack.
- Utilized Terraform to automate deployment and manage resources as infrastructure as code (IaC).
- Configured AWS Auto Scaling Groups (ASG) to enable automatic scaling based on demand.
- Developed a monitoring dashboard using Prometheus and Grafana for real-time system monitoring.
- Implemented caching mechanisms to optimize application performance.
- Conducted cost estimation and optimized resource utilization for efficiency.
- Documented deployment architecture and automation processes, maintaining repositories on GitHub.

AWS Full Automation using Boto3 for MERN app   February 2024
HeroVired Assignment
https://github.com/DJAG7/Assignment8

- Automated AWS infrastructure setup using Boto3 to host a MERN application (both frontend and backend).
- Provisioned and managed resources such as EC2 instances, S3 buckets, SNS topics, Lambda functions, Application Load Balancers (ALB), and Auto Scaling Groups (ASG).

Lambda Code Automation / Python System Utilities   November- January 2024
HeroVired Assignment
https://github.com/DJAG7/Assignment7

- Developed an AutoStop and AutoStart Tagging system.
- Created scripts to delete objects from AWS S3 based on date criteria.
- Built an AWS S3 Log Cleaner and Unencrypted Bucket checker.
- Developed a subdomain monitor to extract and monitor all available subdomains on a website.
- Created a backup tool for Windows OS to automatically back up a full directory at scheduled intervals.
- Built a CPU stat utility tool to issue warnings when CPU usage surpasses 90%.

Windows Server Deployment of LinkedHelper using Cloud Provider Ionos   Feb 2024
Lever10 (Internship Project)
- Deployed LinkedHelper across multiple Windows Servers using Ionos DCD.
- Assisted a client in implementing LinkedHelper automation to generate source leads from LinkedIn for recruiting, utilizing Dropbox and multiple Windows users.
- Authored and Presented a research paper on Ionos DCD in IMCOET-2022.
- Awarded Best Presentation for authored work.

Google Sheet Automation for Certificates   Feb 2024
Loyola Academy, Hyderabad
- Automated the distribution of e-certificates for 500+ participants using Google Sheets.
- Generated e-certificates including name, UID, and college stamp from Google Sheets form data.

EDUCATION

Certificate Program in Cloud and DevOps Engineering   September 2023- June 2024
Hero Vired

BSc. Computer Science & Cognitive Systems   Oct 2020-July 2023
Loyola Academy, Hyderabad