

# Emmanuel Ogundipe

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## PROFESSIONAL SUMMARY

An aspiring **Cloud Engineer/DevOps Engineer** with 400+ training hours and experience in cloud infrastructure and well-architected framework design looking for an entry level role in the cloud. Passionate about cloud infrastructure because I understand how it can enable businesses to scale quickly and deliver highly available and resilient systems to serve their customers. Really excited about the cloud engineer/DevOps engineer role where I can leverage my skills with a seasoned team to help build and support the systems that contribute to the customer experience at your company.

Interested in pursuing a career that will allow the opportunity to excel in the cloud-based environment as a Cloud Engineer where the utilization of skills in **Linux, Terraform, AWS Lambda, AWS CloudFormation, AWS CloudWatch, DevOps, IAM, AWS Virtual Private Cloud, cloud security, microservices architecture** as well as **first-rate leadership, effective communication, management, Innovation, curiosity to learn more** will add value to your organization.

## RELEVANT TECHNICAL SKILLS

**Linux | Docker | Kubernetes | CI/CD (Jenkins) | Terraform | CloudFormation | AWS NoSQL | EC2 | Python | Bash | PowerShell | Git | SQL | VMware | Microsoft Exchange | Microsoft Office 365 | Netapp | OS | iSCSI | AWS storage services | Windows Server | PowerShell | CLI Basics | Gitbash/Bitbucket | VS Code | Kubernetes | IaC | SaaS |**

## EDUCATION AND TECHNICAL QUALIFICATION

- Amazon Web Services Solutions Architect Associate - Amazon - 2022
- AWS Certified Cloud Practitioners, 2022
- Google IT Fundamentals, 2022
- Google Data Analytics Professional Certificate, 2022
- Generation USA, 2022 Cloud Practitioner Tech Accelerator Program
- Miami University, Ohio, 2019 - Master of Environmental Science

## CLOUD PROJECTS

### **Amazon RDS Backup and Recovery: Creating RDS Read Replica and Multi-AZ failover**

*Building as if everything fails*

- **Situation:** To prevent data loss due to technical/natural disaster
- **Task:** Set up data back up and data replication architectures to prevent data loss because anything could fail
- **Action:** Created a RDS MySQL database instance, set up a read replica from the database and launched AWS KMS to secure data back-up and replication processes. I modified the primary DB to multi-Availability Zones (AZ) deployment to create several standbys at different AZs in the region where I launched my primary DB instance. I also created a failover so if an AZ fails, it can fail over to another AZ without losing any data and in a timely manner.
- **Result:** This reduces downtime and data loss and increases recovery reliability of on-premises and cloud based-architectures.

### **Power of an Event-Driven/Serverless Architecture: Pixelating pictures with AWS Lambda and S3 Event**

#### **Notifications**

*Lambda Event Triggering Project*

- **Situation:** Spending more time on pixelating images because of the manual processes involved
- **Task:** Automating image pixelation process by leveraging the modern cloud serverless tools
- **Action:** Designed an event-driven pipeline for processing images. The pipeline utilizes two S3 buckets, a *source bucket*, and a *processed bucket*. As soon as images are added to the *source bucket* through one of the RESTful verbs, *PUT*, then, the Lambda function is invoked. As Lambda function is invoked, it receives the event and extracts the buckets and the object information. With those details in hand, the Lambda function uses the PIL module to pixelate the image with 5 different sizes (8x8, 16x16, 32x32, 48x48, and 64x64) and upload them to the *processed bucket*.
- **Result:** You can now focus more on your customers and other businesses while leveraging on cloud serverless services to take care of your job for you.

### **Magic of S3 Bucket: Created an AWS S3 Bucket and Migrated Existing Website to S3**

*Static Web page project*

- **Situation:** Breaking through the difficulty in hosting a PDF document on a webpage with S3 and GitHub
- **Task:** Integrating AWS S3 with a Source Code Management tool, GitHub with HTML and CSS to host a PDF document online
- **Action:** Created an AWS S3 bucket with an enabled Static Web Hosting to improve web application reliability. After uploading the document on S3, the end point was used with few HTML (iframe) and CSS codes in the GitHub to establish a secure connection between S3 and the Repo in the GitHub.
- **Result:** A webpage link was generated and once you click on the link, it opens the PDF document, or any document uploaded in the S3 bucket. This makes it easy for you to share your document with people through link, instead of downloading the document.

## **EXPERIENCE**

Kroger Manufacturing

Oct 2020 – Dec 2021

### **Operations Supervisor**

- Optimized production by 15% above average through updating and maintaining planning inventory software, and monitoring production metrics
- Reduced onboarding time for new hires by 10% by designing training programs for incoming associates

Crothall Healthcare – Cincinnati Children's Hospital

Dec 2019 – Aug 2020

### **Environmental Services Operations Manager**

- Increased performance and productivity by 15% by maintaining and updating the company's medical equipment on a legacy software platform
- Prevented potential injury and litigation by developing a strategy to control used battery waste hazard

Miami University

Aug 2017 – Dec 2019

### **Graduate Research Assistant**

- Reduced illegal dumping of wastes by leveraging on the Community Based Social Marketing survey
- Performed evaluations on students' academic progress and performance using data analytic tools

Association of African Universities

Oct 2016 – Nov 2016

### **Social Media Reporter/Analyst**

- Tracked story data metrics for insights and analysis on what works and what can be improved

K-Peculiar Inc.

Jan 2014 – June 2016

### **Technical Sales Support Engineer**

- Increased ROI by 5% by performing software and hardware upgrades and installations
- Provided troubleshooting support solutions in a timely manner to clients which improved customer satisfaction
- Successfully assembled a desktop computer for clients which increased their satisfaction by 15%

St. Brigid's Computer Science Institute

Feb 2005 – Sept 2008

### **Technical Training Specialist**

- Provided technical support to the students assigned to remote locations by using Remote Desktop Protocols
- Generated and distributed training metrics/Key Performance Indicators (KPIs), monitored progress and took timely action to address adverse trends and deviations

Multi-Links Cybercafé

Jan 2004 – Jan 2005

### **Cybercafe Attendant**

- Retained customers by 15% by assisting them in a timely manner to resolve their server error/HTTP error messages while accessing websites or downloading contents
- Performed server reboot and troubleshooting to ensure our clients have a smooth internet experience

## **AWARD**

- Received the Amazon Web Services (AWS) **All Builders Welcome Grant** to participate at the AWS re:Invent 2022
- Received an award of recognition from the Ohio General Assembly shortly after graduation for my contributions to the Environmental Sustainability research in Miami University's Institute for the Environments and Sustainability. Also, a recipient of Thesis and Research Dissertation Award in 2018