

# Daniel Jude Gonsalves

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## Summary

With a solid foundation in technology, honed over 18 years starting with building PCs, I have developed a deep expertise in cloud technologies and DevOps. My journey includes significant experiences like publishing a research paper on virtual data centers in the esteemed UGC Care-1 journal 'Juni Khyat', earning accolades for my presentation on the subject. Currently, I am enhancing my skills through a Master's program in Computer Applications at Manipal University Jaipur and I am also undertaking a specialized course in Cloud and DevOps Engineering from Hero Vired. This course has allowed me to apply my knowledge in practical projects, including hosting applications using Flask and MERN stacks, and refining my skills with advanced AWS techniques.

In my professional stint at Plan9.ai, I advanced from an intern to a key role in Cloud Ops and DevOps, where I led the development of the company's cloud infrastructure to support expansion, demonstrating my ability to design cost-effective and efficient solutions.

I hold several prestigious certifications that underscore my expertise in cloud platforms and operations, including AWS Certified Cloud Practitioner, Google Cloud Foundations, Microsoft Azure Fundamentals, Cloud Computing from NPTEL, and Oracle Cloud Infrastructure 2023 Foundations Associate.

Passionate about continuous learning and excellence, I am eager to leverage my skills in cloud technologies and DevOps practices to contribute to innovative organizations, facilitating successful cloud transitions and developing impactful solutions.

## Experience



### Cloud Ops and DevOps

Plan9.ai

Jan 2024 - Present (3 months)

Researched better reporting software from Tableau providing more insights into AI bot performance.

Working on Setup of Grafana to reduce cost by over 80%.



### Intern

Plan9.ai

Jan 2023 - Apr 2023 (4 months)

Built a Comprehensive Cloud Infrastructure to run AI bot backend and WebApp Frontend in the same budget as a single VPS with two servers, load balancer, S3 Backup and WebApp Server using multiple cloud platforms.

Increased AI Bot performance by using high compute servers.

## Projects

### **AWS Automation using Boto3 to host MERN app.**

HeroVired (Assignment given by course)

Feb 2024 - <https://github.com/DJAG7/Assignment8>

This project includes full automation of AWS infrastructure setup using Boto3 to host a MERN application (both frontend and backend), which includes provisioning and managing resources such as EC2 instances, S3 buckets, SNS topics, Lambda functions, Application Load Balancers (ALB), and Auto Scaling Groups (ASG).

### **Single Server MERN hosting**

HeroVired (Assignment given by course)

Jan 2024 - <https://github.com/DJAG7/Assignment6>

This project includes hosting of a MERN app with both frontend and backend running on the same server for smaller companies with less traffic.

### **Lambda Code**

HeroVired (Assignment given by course)

Jan 2024 - <https://github.com/DJAG7/Assignment7>

This project includes lambda code automation via Boto3/Python code. Built AutoStop and AutoStart Tagging system, Deleting objects from S3 based on date, S3 Log Cleaner and Unencrypted Bucket checker

### **Python Subdomain Monitor, Windows Based Backup and CPU Stats Utility Tool**

HeroVired (Assignment given by course)

Oct-Nov 2024 - <https://github.com/DJAG7/Assignment112023> <https://github.com/DJAG7/Assignment112023>

This project includes python code for systems, including a subdomain monitor, which can pull and monitor all the subdomains available on a website; A backup tool which uses windows OS to backup a full directory based on time, CPU stat utility tool which generates a warning if CPU usage is over 90% along with a password validator.

### **Windows Server deployment of LinkedHelper using Cloud Provider Ionos**

Lever10 (Internship)

Oct 2022

This project includes deployment of LinkedHelper via multiple Windows Servers using Ionos DCD. Helped a client run LinkedHelper automation to generate source leads from LinkedIn for recruiting via dropbox and multiple windows users. Wrote a research paper on Ionos DCD winning awards (see below)



### **Google Sheet Automation for Certificates**

Loyola Academy

This project included automation of certificates via Google sheets, emailing those who signed up for a certain event in college to receive e-certificates with their name, UID and college stamp via Google Sheets form data.

## Skills

DevOps • Amazon Web Services (AWS) • IT Infrastructure Management • Cloud Computing • Automation • Communication & Presentations • Networking • Presentations • Troubleshooting • Bash/Shell • Python • Jenkins • CI-CD Pipeline • GIT • Windows, Linux, Mac • 0365 • Docker • Kubernetes •

## Education

### Hero Vired

Certificate Program in Cloud and DevOps Engineering  
Sep 2023- May 2024



### Manipal University Jaipur

Master of Computer Applications (Ongoing)  
Aug 2023 – June 2025



### Loyola Academy, Hyderabad

Bachelor of Science - BS, Computer Science  
Oct 2020 - Jul 2023

## Licenses & Certifications



### Cloud Computing - NPTEL

NPTEL22CS20S43531073



### Oracle Cloud Infrastructure 2023 Foundations Associate - Oracle Issued

Aug 2023 - Expires Aug 2025

## Honors & Awards



### Best Paper Presentation || Published in University of India (UGC) Journal - Loyola Academy, Hyderabad

Nov 2022

I Published a research paper on virtual data centers (DCaaS) making it one of my most noteworthy achievements. This paper, published in the esteemed UGC Care-1 journal titled 'Juni Khyat,' explored the exciting possibilities of leveraging virtual data centers to enhance organizations' infrastructure. With this achievement, I also achieved the best presentation award at the International Multi-Disciplinary Conference of New and Emerging Technologies for the same paper.

## Hobbies

Song Writing & Music Production • PC Building & Computer Hardware • PowerPoint Slides • Photoshop  
Video Editing • Gaming