

RON GEORGE

CLOUD AND DEVOPS ENGINEER | SOFTWARE ENGINEER - CLOUD INFRASTRUCTURE

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EDUCATION

Arizona State University, Arizona

Masters in Computer Science

August 2024 - May 2026

(CGPA 4.18/4)

Fr. Conceicao Rodrigues College of Engineering, India

Bachelor of Engineering in Computer Engineering

August 2018 - June 2022

(CGPA 9.21/10)

TECHNICAL SKILLS

- **DevOps & IaC:** Docker, Kubernetes, Terraform, Github Actions, GitLab CI/CD, CloudFormation, Helm, Rancher
- **Cloud & Observability:** GCP, AWS, Azure, Trivy, SonarQube, CloudWatch, Prometheus
- **Systems & Networking:** Linux, Process & Memory Management, Load Balancing, VPC, TCP/IP, HTTP/HTTPS
- **Languages & Scripting:** Python, Java, C++, JavaScript, Go, Bash, Shell scripting
- **Framework & Databases:** Rest APIs, Flask, Django, React, Node.js, MySQL, Google BigQuery, DynamoDB
- **Courses:** Data structures and Algorithms, Distributed Systems, Operating System, Cloud Computing, Data Processing at Scale, Semantic Web Mining, Machine Learning

PROFESSIONAL EXPERIENCE

Lumen Technologies, Tempe, Arizona | Operations Engineer Intern

June 2025 - Present

- Developed a Microsoft Teams based AI Chatbot for automated ticket troubleshooting using **Azure OpenAI**, RAG and **Python** APIs, **improving ticket resolution efficiency by 35%**.
- Designed and implemented GitLab CI/CD pipelines, leveraging **Docker** and **Ansible** for automated deployment of Intentional workflows and microservice architectures.
- Enhanced a **Django-based** BGP monitoring portal by implementing secure user authentication and a Configuration Management API to update and validate router configurations, improving usability and security.
- Set up **Prometheus** for GKE workloads to monitor cluster health, pod performance, and service availability to support proactive incident detection.

ASU, Research Technology Office | Cloud and Systems Aide

October 2024 - May 2025

- Provisioned a **production-grade Kubernetes** cluster using **Rancher** and deployed containerized applications using hardened **Docker** images, improving cluster security and scalability.
- Integrated **Trivy** vulnerability scanning into Cloud Build CI/CD pipelines using Bash shell scripts, delivering scan results and alerts directly to Slack, **enhancing incident response time by 40%**.
- Provisioned HIPAA-compliant cloud infrastructure on GCP using **Terraform**, including **VPC** networking, subnets, **IAM** governance, centralized logging and monitoring.

Quantiphi Analytics, Mumbai, India | Senior Platform Engineer

January 2022 - July 2024

- Containerized applications using Docker and deployed them on **Google Kubernetes Engine (GKE)** with Helm, configuring **NGINX** as an ingress controller for load balancing and traffic management.
- Developed a **Python**-based connector to extract Salesforce documents into GCS and applied **Gemini**-based entity extraction, deploying the full pipeline on **Cloud Run**.
- Performed **Linux**-based deployment and maintenance of services in private subnets via **bastion hosts**, ensuring secure **file handling, permission management, IAP tunneling** and controlled production access.
- Contributed to **cost** and resource **optimization** thereby reducing unused cloud resources by **20%**.

PERSONAL PROJECTS

- Developed a **Flask-based** serverless application leveraging **AWS Lambda**, **S3** (cloud storage), **SQS** (queue-based request handling), and **ECR** for asynchronous image recognition with a **PyTorch-based MTCNN** model.
- Built DoctorGPT, a **Streamlit**-based conversational medical assistant that uses one-time web scraping via **Selenium** to populate a database, implements a RAG pipeline with **LangChain** and **FAISS** vector embeddings, and integrates with **Ollama** for conversational inference.

CERTIFICATIONS/ACHIEVEMENTS

- [Google Cloud Certified Professional Cloud Developer](#)
- [HashiCorp Certified: Terraform Associate \(002\)](#)
- [ASU SUN Award – KE Research Technology Office](#)

(June 2023 - June 2025)

(February 2023 - February 2025)

(March 2025, April 2025)