

# Tariq Dwekat

919-218-7031 | [tariqzdwekat@gmail.com](mailto:tariqzdwekat@gmail.com) | <https://www.linkedin.com/in/tariq-dwekat/> | <https://github.com/tzdwekat>

---

## **SOFTWARE ENGINEER**

**Cloud Application Modernization | Data Engineering | DevOps | Data Analysis | Automation Scripting | Serverless Architecture**

Adaptable Software Engineer with expertise in cloud-based app modernization, automation, and DevOps practices. Adept at designing scalable solutions that enhance efficiency and reliability.

- Strong core software development skills with corporate experience in data engineering, automation, and DevOps
- Proficiency with cloud-based app modernization leveraging platform as a service (PaaS) architecture in Google Cloud Platform

## **TECHNICAL SKILLS**

- **Programming Languages & Frameworks:** Python, SQL, C++, Java, C#, Linux, Flask, Django
- **Cloud Technologies:** GCP (GKE, Cloud Run, BigQuery), AWS (EKS, Lambda, VPC)
- **Databases:** Oracle SQL Developer, MySQL, MongoDB
- **DevOps & Monitoring Tools:** Kubernetes, Docker, Terraform, Jenkins, GitHub Actions, Grafana, Prometheus, Splunk

## **PROFESSIONAL EXPERIENCE**

**Software Engineer - Specialist, Charles Schwab | Westlake, TX** Jan 2023 – Current

- Containerized and migrated a class-action lawsuits database to GCP on GKE, improving scalability and reducing pipeline runtime by 50%
- Architected and deployed 15+ custom real-time dashboards in Grafana and Prometheus to monitor application performance across 200+ microservices with automated alerting
- Collaborated with DevOps teams to migrate CI/CD pipelines from Bamboo to GitHub Suite, reducing deployment times by up to 40%
- Automated network configuration changes on Linux servers by implementing infrastructure-as-code solutions using Ansible and Terraform to manage 200+ Linux server configuration changes
- Led technical development initiatives for junior engineers leading workshops on Kubernetes, CI/CD, and incident response

**Network Reliability Engineering Intern, Adobe | San Jose, CA** May 2022-Aug 2022

- Architected and implemented an automated certificate management system using Python and MySQL identifying 100+ expiring certificates and reducing manual toil by 90%
- Developed RESTful APIs to automate network configuration validation, processing 1000+ requests daily with 99.9% uptime

**Network Engineering Intern, Verizon Business | Tampa, FL** Jun 2021-Aug 2021

- Engineered a scalable ETL pipeline using Python and Apache Airflow, processing 10TB+ of network data daily while maintaining sub-second query performance

**Network Engineering Intern, Verizon Wireless | Charlotte, NC** Jun 2020-Aug 2020

- Automated project due date assignments and capital reallocation with SQL-driven database solutions, enabling budget adjustments of up to 5%

## **PROFESSIONAL COURSES & CERTIFICATIONS**

- Google Certified Associate Cloud Engineer, Google Professional Data Engineer (In-Progress)

## **PROJECT EXPERIENCE**

**Undergraduate Researcher, Doran's Lab | Raleigh, NC** Aug 2018 – May 2022

- Developed ML models using PANDAs and Scikit Learn from League of Legends Data

## **EDUCATION**

**North Carolina State University | Raleigh, NC**

Dec 2022

B.S. in Computer Engineering