

# Joshua Duplaa

Seattle, WA • [joshuaduplaa@outlook.com](mailto:joshuaduplaa@outlook.com) • (806) 283-4934  
[joshuaduplaaswe.web.app](https://joshuaduplaaswe.web.app) • [Github](#) • [Linkedin](#) • [Leetcode](#)

## EDUCATION

**Texas Tech University**, Lubbock, Texas  
*Whitacre College of Engineering*

May 2025  
GPA 3.3

*B.S. Computer Science,*

*B.S. Mathematics - Concentration in Data Science*

**Certifications:** AWS Cloud Practitioner CLF-C01, Azure Fundamentals AZ-900

## EXPERIENCE

**DevOps Engineer Intern II**, ResMed  
*San Diego, California (Remote)*

May 2024 - Aug. 2024

- Drove recovery efforts during the global CrowdStrike outage, which caused widespread Windows Machine failures. Manually recovered over 25 servers and developed an automated solution with a small team to restore the remaining network, ensuring operational continuity during a high-severity incident.
- Monitored and maintained multi-cloud infrastructure across AWS and Azure, proactively resolving incidents and optimizing performance to support resilient DevOps operations for production environments.
- Built a distributed Kubernetes training platform using Azure DevOps Pipelines and AKS, enabling a 12-person team to rapidly upskill and deploy clusters independently. This initiative reduced onboarding time and eliminated setup friction across ResMed/MatrixCare systems.
- Continued long-term infrastructure projects, deepening expertise in Cloud platforms, Kubernetes, container orchestration, cloud observability tooling, while expanding CI/CD pipeline capabilities.

**Data Analyst**, Texas Tech IMSE  
*Lubbock, Texas*

Oct. 2023 - Jan. 2025

- Built and maintained 15+ interactive Power BI dashboards for IMSE and College of Engineering.
- Developed data models, visualizations, and ETL pipelines using Python, Pandas, DAX, and Power BI to transform financial data from MS SQL and Excel sources.
- Standardized data procedures and created data models relating to the department's budget, improving data comprehension and facilitating secure communication of sensitive information.

**DevOps Engineer Intern**, ResMed  
*San Diego, California (Remote)*

June 2023 - Sept. 2023

- Automated Skilled Nursing Facility (SNF) server deployment using Ansible, Terraform, and custom scripts for Cloud deployment(Python, Bash, PowerShell).
- Built CI/CD pipelines to automate the testing, building, versioning, and deployment of Azure and AWS infrastructure using Terraform.
- Developed hands-on knowledge of TCP/IP networking, IP routing, and core technologies such as IP, TCP, Load Balancers, Firewalls, ACLs, DNS, and associated Cloud resources.
- Worked with project management tools such as Jira and Confluence. Followed Scrum and Agile methodologies. Gained 2nd in a company-sponsored cyber security Hackathon (CyberRange).

**Undergraduate Research Assistant**, Texas Tech Applied Vision Laboratory  
*Lubbock, Texas*

Aug. 2022 - Jan. 2023

- Collected and segmented 100+ hours of footage to evaluate lab machine learning models for real-time image and video processing.
- Gained experience with neural networks, classification models, TensorFlow and Mask R-CNN.

**Calculus II Tutor**, Texas Tech TLPDC  
*Lubbock, Texas*

Aug. 2022 - Jan. 2023

## SKILLS

- **DevOps:** CI/CD, Terraform, Ansible, AWS, Azure, GCP, Docker, Container Orchestration (K8s), Git, BitBucket, Linux.
- **Programming:** Python, Bash, PowerShell, JavaScript/TypeScript, SQL, C, C++, R, Julia.
- **Web:** Node.js, ASP.NET, Django, Flask, React, Next.js, MUI. Built several scientific applications and CRUD APIs.
- **Data & AI:** Pandas, Power BI, TensorFlow, Pytorch, Mask R-CNN, GPT/Copilot/Cursor, ETL pipelines.
- **Languages:** Fluent in Portuguese; Conversational proficiency in Spanish, German and French.