

Jack Dolan

Boston, MA

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Summary

Senior DevSecOps Engineer & Engineering Manager with 8+ years in cloud-native systems and team leadership:

- **Languages:** Python | Java | TypeScript | Go | SQL | C++
- **Infrastructure:** Kubernetes | Docker | AWS (ECS, RDS, ElastiCache) | Terraform | GitLab CI/CD | GitHub Actions
- **ML/Data:** TensorFlow | PyTorch | Scikit-Learn | NumPy | Pandas | Computer Vision | NLP
- **Certifications:** AWS Certified Cloud Practitioner | CompTIA Security+ (SY0-701) | TS/SCI Eligible Clearance

Experience

- **Senior DevSecOps Engineer & Engineering Manager**, Clarity Innovations, Columbia, MD 02/2024 - Present
Technical lead and engineering manager; modernizing CI/CD pathways for DoD customer; cloud-agnostic deployments
 - Architects security and IaC pipelines for DoD apps, click-button deployment to AWS, Azure, GCP, and OCI
 - Leads technical info sessions to 70+ end-users weekly on CICD platform adoption; resolves complex questions on pipelines and cloud deployment
 - Mentors engineers on DevSecOps best practices; leads technical interchanges for knowledge sharing & development
 - Implements and maintains IaC (Terraform & Ansible) for reproducible, auditable cloud environments
- **Senior DevSecOps Software Engineering Officer**, Kessel Run (U.S. Air Force), Boston, MA 06/2020 - 06/2024
Led 12-member engineering team building mission-critical software serving 10K+ users, replacing a \$1.6B legacy system
 - Drove organization's first Kubernetes adoption; established deployment patterns and training for 50+ engineers
 - Built event-sourced data syncing system across 10 deployment environments, eliminating data corruption issues
 - Delivered technical talks on blue/green deployment strategies and maintainable software upgrade patterns
 - Hand-picked for rapid outage response team; reduced average restore time to <90 mins, cutting downtime by 72%
- **Developmental Engineering Lead Officer**, U.S. Air Force, Los Angeles, CA 07/2016 - 06/2020
GPS Integrated Circuit and Satellite Communication Systems Engineering Lead
 - Led 10-member HW & SW dev team for next-gen ASIC for GPS air/land/sea, balanced 500+ requirements
 - Managed tech risk, schedule, and performance for GPS receiver spec docs supporting \$1.8B request for quotes
 - Technical lead and assessor for long-lead (2040) \$30M high-bandwidth satellite communication experiments
- **Intern**, Sikorsky Aircraft, Stratford, CT 05/2014 - 08/2015
Program Management Intern – Managed 30k+ item BOM and analyzed program budget for CH-53K helicopter program

Education

- **Master of Science, Computer Science**, Specialization in Machine Learning 05/2019 - 11/2022
Georgia Institute of Technology, Atlanta, GA, GPA: 4.0
- **Bachelor of Science, Computer Engineering** 09/2012 - 05/2016
Boston University, Boston, MA
Simultaneously completed Air Force officer training via Air Force ROTC

Additional Information

- **Awards:** Officer/Engineer of the Year: 2022, 2021, 2020, 2019; Academic Excellence: 2013, 2016
- **Projects:**
 - Miasma – Privacy Protection Platform (Python, React, FastAPI, PostgreSQL, Redis, Docker, GitHub Actions)
 - Reddit Translation Bot (Python, Telegram API, Google Translate API) – Cloud-deployed on Heroku
 - Liquid Rocket Thrust Vectoring Firmware – Senior Capstone (C, Python) – BU ECE Design Excellence Award