

# Jack Dolan

Boston, MA

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## Summary

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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

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- **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

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- **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

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- **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