

Malachy Schwartz

DevOps / Cloud Infrastructure Engineer

📍 New York City | U.S. Citizen 📧 malakaii.org

📞 (718) 757-5189 🌐 [linkedin.com](https://www.linkedin.com)

✉️ malachycschwartz@gmail.com

SUMMARY

DevOps / Cloud Infrastructure engineer with 3+ years of hands-on experience owning CI/CD and containerization for high-security, compliance-heavy production systems.

AWS-certified, specialized in Helm-based orchestration, GitOps delivery, infrastructure automation, and internal tooling solutions across different cloud and on-prem environments.

EXPERIENCE

DevOps Engineer | Israel Defense Forces (Aug 2022 – Feb 2026)

Mandatory military service; DevOps engineering for classified, air-gapped production systems supporting national security. Relocated to the U.S. after completion of service.

- Cut deployment time by 70% for two mission-critical microservice-based applications by rebuilding CI/CD around GitOps, automating cluster migration and consolidating several service-specific, codependent files into a single, templated configuration with per-environment values.
- Eliminated origin overload from a national-scale application by engineering a Node.js DNS-based routing service with RBAC to prevent users from bypassing CDN sites. Packaged the service with Helm and deployed it via ArgoCD across dozens of edge locations, with a self-service web interface for site admins to manage origin-access permissions and PowerShell-based monitoring for DNS and application health failover.
- Automated hours of weekly manual work using Ansible, Python, Bash, and PowerShell to streamline infrastructure processes such as mass file-retrieval and software installation on dozens of servers across different on-prem and cloud production environments.
- Redesigned container deployment and maintenance at scale by migrating production workloads off Docker setups and legacy OpenShift configurations onto custom templated Helm charts.

PROJECTS

Cloud Infrastructure Portfolio | Independent (2026)

- Designed and provisioned production AWS infrastructure with Terraform, deploying a Dockerized application on ECS Fargate behind an Application Load Balancer.
- Built custom VPC networking with public and private subnets, controlled security-group access, plus IAM roles and least-privilege permissions governing ECS task execution and GitHub Actions deployments through OIDC and AWS STS.
- Used ECR for container images and CloudWatch Logs to handle container output.

CERTIFICATIONS

AWS Certified Solutions Architect Associate

SKILLS

- **Cloud (AWS):** IAM, EC2, VPC, S3, RDS, CloudFront, ACM, ECR, ECS, ELB, STS
- **DevOps:** Docker, Kubernetes, Helm, GitOps (ArgoCD), GitLab CI/GitHub Actions, Ansible, Terraform
- **Programming & Scripting:** Python, Bash, Node.js, PowerShell
- **Systems:** Linux, Windows Server
- **Observability:** Splunk, Grafana, CloudWatch

EDUCATION

DevOps Engineering Program

Israel Defense Forces (Mar 2022 – Aug 2022)

Completed a highly selective 5-month long DevOps engineering program, preparing participants to support mission-critical national security systems. Received intensive hands-on training in Python coding and scripting, Linux administration and Bash, networking, Docker, Kubernetes, and CI/CD.

High School Diploma

Yachad High School, Israel (2021)