

# ITAY GUETA

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## SUMMARY

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DevOps Engineer with a background in Python development and 3+ years of hands-on experience automating infrastructure, standardizing developer environments, and building CI/CD pipelines for production systems. Proven ability to bridge Dev and Ops through automation tooling, reproducible workflows, and internal platforms. Experienced in Windows-based deployments, containerized systems (Docker, Kubernetes), and IaC (Terraform). Passionate about developer experience, environment consistency, and infrastructure reliability — currently building tools that eliminate drift, reduce onboarding friction, and enforce CI-driven policies.

## SKILLS

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**Infrastructure & Automation:** Docker, Docker Compose, Kubernetes (kubectl, Helm), Bash, Git, GitOps, systemd

**CI/CD:** Jenkins (VM-based), GitHub Actions, YAML pipelines, build/test/deploy automation

**Monitoring & Logging:** Grafana (basic), journalctl, syslog, resource tracking

**Cloud & IaC:** AWS (basic), GCP (basic), Terraform, Ansible

**Networking & Linux Systems:** Debian, SSH configuration, DNS, firewall rules, system troubleshooting

## EXPERIENCE

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### Software Developer / Junior DevOps

Mar 2022 – Present

Wiliot

Israel

- Developed Python automation tools, reducing manual operational workflows by 30% for internal teams
- Spearheaded the design and implementation of a Tkinter-based GUI framework, enabling rapid development of internal tools and improving non-technical user access across multiple systems
- Refactored legacy Python systems plagued by dependency conflicts, stabilizing builds and improving runtime reliability
- Engineered hybrid CI/CD pipelines across Jenkins and GitHub Actions for a critical Windows-based repository, laying groundwork for future build, test, and deploy automation
- Built a developer-first environment setup automation tool, ensuring zero-error onboarding across machines, CI pipeline reproducibility, and prevention of configuration drift in mission-critical systems

## PROJECTS

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### Home Infrastructure Lab - Ongoing (3+ years)

Personal DevOps lab used to simulate and experiment with production-level setups.

- Deployed and maintained Docker-based container stacks
- Simulated production setups with Kubernetes (NodePort, ClusterIP)
- Hardened Linux servers with SSH and firewall rules
- Built infrastructure using Terraform to simulate production IaC workflows, improving readiness for real-world deployment tooling and cross-cloud setup consistency
- Integrated Zigbee devices with Home Assistant to prototype IoT edge environments and experiment with real-time device orchestration

## EDUCATION

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- Machine Learning Specialization - Stanford University (Coursera) 2023
- CKA Preparation - In Progress, expected Q2 2025
- Self-Study: AWS, GCP fundamentals, Flask - Ongoing

## LANGUAGES

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Hebrew – Native

English – Fluent

German – Intermediate