

ITAY GUETA

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SUMMARY

Software Developer with 3 years of experience building automation and developer infrastructure. Skilled in Python, CI/CD, and Infrastructure-as-Code. EU citizen, open to relocation.

EXPERIENCE

- Software Developer** March 2022 – Present
Wiliot Israel
 - Engineered internal Python automation tooling that eliminated repetitive manual workflows for multiple teams, improving operational efficiency by 30%.
 - Refactored and stabilized Python build environments on critical lab systems, resolving dependency conflicts and cutting debugging time by 90% through fully reproducible CI/CD builds.
 - Maintained and extended an internal Flask-based platform on a Linux VM, removing configuration bottlenecks, improving performance, and adding new Python utilities with reworked UI experience.
 - Increased system reliability to 99.9% uptime by re-configuring services, tightening maintenance workflows, and ensuring updates deploy without user interruption.

PROJECTS

- Infrastructure-as-Code Resume Site** April 2025 - Present
itaygueta.com
 - Provisioned cloud infra with Terraform (networking, DNS) and automated SSL (Let's Encrypt), Nginx, and systemd services for a production-grade static site.
 - Codified OS hardening and deployment steps as Infrastructure-as-Code, enabling complete one-command rebuilds and reducing manual setup time by 90% through automated secrets and configuration management.
 - Designed the site architecture to serve as a reusable DevOps portfolio template demonstrating IaC, automation, and CI/CD integration.
- Home Infrastructure Lab** May 2023 - Present
 - Deployed and maintained a Linux-based automation server using Docker, Zigbee, and ESP32 integrations for IoT device orchestration and system monitoring.
 - Configured and customized ESP32 firmware and devices to expand automation logic, functionality, and integration within the home lab environment.
 - Managed a personal multi-node Kubernetes cluster (kubeadm) spanning several local devices to experiment with service deployment, container orchestration, high-availability, and failure recovery in a controlled environment.

EDUCATION

- Machine Learning Specialization** – Stanford (Coursera), 2023.

CERTIFICATIONS

- Certified Kubernetes Administrator (CKA)** – In progress, expected Q4 2025.

SKILLS

Programming languages: Python, JavaScript, CSS, HTML

Infrastructure & Automation: Terraform, Ansible, Docker, Docker Compose, Kubernetes (kubectl, Helm, kubeadm), Bash, systemd, Linux (Debian, CentOS), AWS, YAML

CI/CD & Version Control: Git, GitHub Actions, Jenkins

Monitoring & Logging: Grafana, Prometheus, syslog, journalctl

Networking SSH, DNS, firewall rules, troubleshooting

LANGUAGES

Hebrew, English, German (B1)