

ITAY GUETA

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SUMMARY

Software Developer with hands-on experience in Python and DevOps practices, including CI/CD, infrastructure as code, cloud infrastructure, and production operations. EU Citizen, open for relocation.

EXPERIENCE

- **Software Developer** March 2022 – Present
Wiliot Israel
 - Built Python automation tooling to remove repetitive manual workflows and reduce operational error rates.
 - Built reusable LLM workflows for commit standardization, codebase analysis, and script simplification, using iteration logs, validation checks, and human review for production or git-sensitive changes.
 - Refactored and stabilized Python build environments on critical lab systems, resolving dependency conflicts and cutting debugging time by 90% through reproducible CI/CD builds.
 - Extended and maintained an internal Flask platform used across teams, with focus on reliability, clean UIs, and easy re-deployability.
 - Increased system reliability to 99.9% uptime by reconfiguring services, tightening maintenance workflows, and ensuring updates deploy without user interruption.
 - Contributed to tooling adjustments supporting an infrastructure partner migration from GCP to AWS, ensuring integration continuity with minimal operational disruption.
- **IT Administrator** 2021
Ish-Shalom High School Israel
 - Owned IT operations for a roughly 1,000-user school environment as the sole IT point of contact, spanning network, endpoints, and day-to-day support.
 - Performed on-site rollout and maintenance of classroom hardware, including physical installs, imaging, OS/software setup, connectivity, and hardware/software troubleshooting.
 - Mapped and documented an undocumented network topology and maintained firewall/access policies to improve fault isolation and service continuity.

PROJECTS

- **Infrastructure-as-Code Resume Site** April 2025 - Present
itaygueta.com
 - Provisioned and deployed the site on DigitalOcean using Terraform, including networking, DNS, and automated SSL.
 - Codified OS hardening and deployment as infrastructure as code, enabling one-command rebuilds and reducing manual setup time by 90% through automated secrets and configuration management.
 - Built the site around Infrastructure-as-Code and automated CI/CD workflows.
- **Homelab** May 2023 - Present
 - Deployed and maintained a Linux-based automation server using Docker, Zigbee, and ESP32 integrations for IoT device orchestration, system monitoring, and local AI experiments.
 - 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 local, controlled environment.

CERTIFICATIONS

- **Machine Learning Specialization** – Stanford, 2023.

TECHNICAL SKILLS

Programming & Automation: Python, JavaScript, Bash, YAML

Cloud & Infrastructure: AWS (EC2, IAM, networking, S3, VPC), Terraform, Ansible, Linux (Debian/CentOS), Systemd, DigitalOcean

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

Containers & Orchestration: Docker, Docker Compose, Kubernetes (kubectl, Helm, kubectl)

Monitoring & Ops: Grafana, Prometheus, logging & troubleshooting

LANGUAGES

Hebrew, English, German (B1)