

# 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

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| <ul style="list-style-type: none"><li><b>Software Developer</b><br/><i>Wiliot</i><ul style="list-style-type: none"><li>Built Python automation tooling to remove repetitive manual workflows and reduce operational error rates.</li><li>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.</li><li>Refactored and stabilized Python build environments on critical lab systems, resolving dependency conflicts and cutting debugging time by 90% through reproducible CI/CD builds.</li><li>Extended and maintained an internal Flask platform used across teams, with focus on reliability, clean UIs, and easy re-deployability.</li><li>Increased system reliability to 99.9% uptime by reconfiguring services, tightening maintenance workflows, and ensuring updates deploy without user interruption.</li><li>Contributed to tooling adjustments supporting an infrastructure partner migration from GCP to AWS, ensuring integration continuity with minimal operational disruption.</li></ul></li><li><b>IT Administrator</b><br/><i>Ish-Shalom High School</i><ul style="list-style-type: none"><li>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.</li><li>Performed on-site rollout and maintenance of classroom hardware, including physical installs, imaging, OS/software setup, connectivity, and hardware/software troubleshooting.</li><li>Mapped and documented an undocumented network topology and maintained firewall/access policies to improve fault isolation and service continuity.</li></ul></li></ul> | <p>March 2022 – Present<br/>Israel</p> <p>2021<br/>Israel</p> |
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## PROJECTS

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| <ul style="list-style-type: none"><li><b>Infrastructure-as-Code Resume Site</b><br/><i>itaygueta.com</i><ul style="list-style-type: none"><li>Provisioned and deployed the site on DigitalOcean using Terraform, including networking, DNS, and automated SSL.</li><li>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.</li><li>Built the site around Infrastructure-as-Code and automated CI/CD workflows.</li></ul></li><li><b>Homelab</b><ul style="list-style-type: none"><li>Deployed and maintained a Linux-based automation server using Docker, Zigbee, and ESP32 integrations for IoT device orchestration, system monitoring, and local AI experiments.</li><li>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.</li></ul></li></ul> | <p>April 2025 - Present</p> <p>May 2023 - Present</p> |
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## CERTIFICATIONS

- Machine Learning Specialization** – Stanford, 2023.

## TECHNICAL SKILLS

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**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, kubeadm)

**Monitoring & Ops:** Grafana, Prometheus, logging & troubleshooting

## LANGUAGES

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Hebrew, English, German (B1)