ITAY GUETA

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SUMMARY

Python Software Developer focused on automation, CI/CD, and cloud-adjacent infrastructure for production environments. 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.
  - 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.
  - 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 re-configuring 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.

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 steps as infrastructure as code, allowing for complete 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 experimentations.
  - 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.

EDUCATION

- **Machine Learning Specialization** – Stanford (Coursera), 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, kubeadm) **Monitoring & Ops:** Grafana, Prometheus, logging & troubleshooting

LANGUAGES

Hebrew, English, German (B1)