

Itamar Ratson

DEVOPS ENGINEER

Email: itamar.ratson@gmail.com

LinkedIn: <https://www.linkedin.com/in/itamar-ratson>

GitHub: <https://github.com/Itamar-Ratson>

SUMMARY

- **DevOps Engineer** with **practical hands-on experience** in designing and deploying **Cloud Infrastructure** from scratch following best practices.
- Skilled in **AWS, Kubernetes, Docker**, and **Terraform** for building scalable systems.
- Experienced in **CI/CD Automation, monitoring, containerization**, and **Infrastructure as Code (IaC)**.
- Leveraged **Claude Code** with custom-made **Skills** to accelerate R&D; managed autonomous **subagents** and **context management** to automate repetitive tasks and maintain technical consistency across **multi-cloud** environments.
- Previously worked in a customer-facing tech store, guiding users in selecting and assembling custom PCs tailored to their needs.

OPEN SOURCE CONTRIBUTION

Kubernetes SIG Network - Ingress2Gateway - [GITHUB LINK](#)

- **Spearheaded** the implementation of the **End-to-End (e2e) testing** for the **ingress2gateway** migration tool.
- Automated the provisioning of ephemeral Kubernetes clusters using **KinD** and bootstrapping the **Envoy Gateway** controller to simulate real-world environments.
- Implemented best practice for **traffic routing** behavior and feature parity (e.g., canary rollouts).
- **Technologies:** Kubernetes, KinD, Gateway API, Envoy Gateway, Ingress, NGINX, BATS, Go, Bash.

PROJECT

ZERO-TRUST HYBRID-CLOUD DEVSECOPS PLATFORM - [GITHUB LINK](#)

- Cut resource usage by **more than half** by using **observability** data to right-size workloads and tune cluster behavior.
- Enforced dynamic secret management so all credentials are **encrypted at rest and in transit**, with **SSO** for secure, streamlined access to all services.
- **Unified on-prem and cloud clusters** into a single logical platform, with **image caching** to **reduce boot times** and a **hardened CI/CD** pipeline running continuous **end-to-end tests**.
- **Secured** the stack from kernel to application using **eBPF**-based controls, and implemented severity-based **alerting** for fast incident response.
- **Technologies:** Kubernetes, AWS (EKS, IAM, SSM), Cilium (Service & Cluster Mesh), WireGuard, Tailscale, Terraform, Terragrunt, Helm, ArgoCD, Argo Rollouts, Vault, GitHub Actions, LGTM, Prometheus, Grafana, Loki, Tempo, Alloy, OpenTelemetry, Alertmanager, PagerDuty, Hubble, Keycloak, kube-oidc-proxy, Kyverno, Tetragon, cert-manager, Trivy, cosign, Gitleaks, Cloudflare Zero Trust, Strimzi Kafka, Sealed Secrets, Headlamp

INTERNAL DEVELOPER PLATFORM ON KUBERNETES - [GITHUB LINK](#)

- Built a **self-service IDP** on **Backstage** with scaffolder templates that let developers build, ship, and decommission applications through the UI and automated pull requests.
- Used **GitOps** as the single source of truth: App-of-Apps with sync waves enforces platform ordering, auto-discovers every chart so scaffolded apps are deployed and decommissioned on merge automatically.
- Enforced **default-deny authorization end-to-end** by using GitHub App authentication, Backstage **RBAC** and a hardened CI pipeline gating every change.
- Automated CI tests on before and after PRs for **drift detection, self-healing**, and a full **audit trail**.
- **Technologies:** Backstage, Kubernetes, Terraform, Helm, ArgoCD, Envoy, GitHub Actions, GitHub App OAuth.

SKILLS & PROFESSIONAL KNOWLEDGE

- **DevOps:** Docker, Jenkins, Azure DevOps, Ansible, GitLab, Istio, ELK Stack, OKD, Red Hat OpenShift
- **Code:** Bash, Python, C
- **Cloud & Infrastructure:** AWS, Azure, Cloudflare, Linux, DNS, Networking, REST API
- Excellent communication abilities, Team Player, Agile workflow

EDUCATION & CERTIFICATIONS

Infinity Labs R&D - DevOps
AWS Certified Solutions Architect – Associate

Oct 2024 - Nov 2025
Aug 2025