TAL SHTERENSHUS

SENIOR AUTOMATION ENGINEER | DEVOPS | CI/CD | PLATFORM & RELEASE

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PERSONEL SITE https://talsht1.github.io

PORTFOLIO https://github.com/Develeap-portfolio

TECHNICAL SKILLS

Languages & Scripting: Python, TypeScript, Java, Bash, C/C++
CI/CD & Release Engineering: Jenkins, GitHub Actions, GitLab CI/CD, Argo CD, Maven, CI/CD pipelines, release validation, coverage gates
Code Quality & Security: SonarQube, Trivy, Jit, Black Duck, license checks, vulnerability scanning, secret / sensitivity scanning
Containers & Orchestration: Docker, Docker Compose, Kubernetes, OpenShift, Helm
Infrastructure as Code & Automation: Terraform, AWS CDK, GitOps
Cloud & Artifact Management: AWS, GCP, Google Artifact Registry (GAR), JFrog Artifactory
Observability & Operations: Grafana, Kibana, Loki, logging, monitoring, Allure TestOps, ReportPortal
Messaging & Distributed Systems: Kafka, Temporal, SQS, GCP Pub/Sub
Databases & APIs: MongoDB, Redis, SQL, REST, GraphQL, gRPC, TCP/UDP
Platforms & Tools: Git, Linux, Windows, macOS, networking, PKI / TLS
Automation & Validation: Playwright, Selenium, Pytest, UI testing, API testing, integration testing, E2E testing, simulators, mocks

PROFESSIONAL EXPERIENCE

Redis — Senior Automation Engineer | DevOps **2024–Present**

- Built and maintained GitHub Actions workflows that automated validation, improved **CI/CD pipelines**, and accelerated **release feedback** across **distributed services**.
- Integrated **SonarQube, Trivy, Jit, and Black Duck** into delivery flows to strengthen **code quality gates, vulnerability scanning, license compliance,** and **secret / sensitivity detection** as part of the release process.
- Managed packages and images through **Google Artifact Registry (GAR)** and **JFrog Artifactory,** improving **artifact traceability, promotion between environments**, and release consistency.
- Developed internal tooling and engineering automation in **TypeScript** and **Java** to reduce manual operational effort, support environment workflows, and improve reliability in day-to-day delivery processes.
- Contributed to **system design, code reviews, and performance improvements** with emphasis on **stability**, **maintainability**, and **platform readiness**.
- Built and maintained **automation frameworks** for backend and integration flows, keeping strong support for **E2E validation** where it improved release confidence.
- Developed **simulators, mocks**, and supporting services that reduced dependency on external systems and enabled more reliable validation across complex service interactions.
- Worked closely with developers and cross-functional teams to improve **delivery workflows, integration coverage**, and operational reliability.
- Leveraged **AI-assisted tools** including **ChatGPT** with **MCP** integrations, **Cursor**, **Augment**, and **Codex** to streamline DevOps and engineering workflows, including pipeline development, scripting, troubleshooting, and operational analysis. Used these tools together with observability platforms such as **Grafana**, **Loki**, and **Tempo** to investigate failures, analyze **logs** and **traces**, accelerate root-cause analysis, and improve delivery efficiency across CI/CD and distributed-service environments.

PROFESSIONAL EXPERIENCE CONT.

Rafael - Senior Automation Engineer | DevOps **2020–2024**

- Built and maintained **Jenkins** pipelines for automated execution, nightly runs, and continuous validation across environments, strengthening **CI/CD processes** and release readiness.
- Developed internal automation and engineering tools in **Python** to improve workflow efficiency, reduce manual effort, and support repeatable operational processes.
- Built and maintained **Dockerfiles** and **Helm** charts to standardize **containerized deployments** and improve consistency across environments.
- Created analytics and **Jira**-integrated reporting tools that improved visibility into **pipeline status, execution results**, and engineering process health.
- Contributed to release and validation flows with stronger focus on **automation processes, delivery tooling, and environment readiness** rather than only test execution.
- Built automation frameworks and utilities that supported **E2E**, **integration**, and backend validation in complex systems.
- Developed **simulators** and internal utilities that reduced dependency on external systems, improved **environment independence**, and enabled more reliable system-level validation.
- Supported engineering quality through **code reviews**, mentoring, and tooling improvements that increased **maintainability** and team efficiency.

ADDITIONAL ENGINEERING EXPERIENCE

- **Vered Hagalil – Unilever -** Food Research and Development Engineer **2012–2015**
- **ICL Fertilizers – ICL Group -** Analytical Laboratory Manager & Development Engineer **2015–2019**

EDUCATION

- **Develeap — DevOps Upskill Course | 2025 | Relevant topics:** Linux & Bash, Git, Networking, Docker, Docker Compose, Introduction to CI/CD, Jenkins, Maven, Terraform, PKI & TLS, Kubernetes Fundamentals, Kubernetes Advanced, Helm, GitOps, Argo CD, Logging, Monitoring, Loki Stack, GitHub Actions, GitLab CI/CD, Ansible, AWS CDK, Terragrunt, AWS Cloud Fundamentals, AWS Introduction, AWS Cloud Advanced, AWS Database & Storage Solutions.
- **Infinity Labs** — Software Development Training | 2019–2020
- **Technion – Israel Institute of Technology** — B.Sc. in Biotechnology and Food Engineering | 2008–2012

LANGUAGES

- Hebrew — Native
- English — Fluent