Tomer Cohen

Date of Birth: 12/02/1994   Website: https://tomeri.co   Languages: Hebrew (native), English (high proficiency)
eMail: ctmr20@gmail.com   GitHub: https://github.com/Tomer20   LinkedIn: https://www.linkedin.com/in/tomer-cohen

Profile

Results-oriented software engineer with a passion for operations, blending QA skills with a strong System & IT background. Proven leadership in dynamic, high-pressure environments, inspiring team confidence. Specialized in coordinating scalable cloud architectures, ensuring security, and optimizing costs. Adept at guiding requirements, maintaining up-to-date cloud knowledge, and delivering high-standard results.

Work Experience

2022-current: Head of Cloud Infrastructure, EverC (EverCompliant, startup)

- Lead cloud architecture in the company.
  - Coordinate the development of scalable architecture to support applications and infrastructure on cloud platforms.
  - Lead the evaluation process to select, implement, and maintain the best cloud solutions for the organization.
  - Guide requirements gathering activities with stakeholders and vendors.
  - Design and management of cloud systems, policies, and strategy.
  - Maintain up-to-date, extensive, and deep knowledge of cloud products, technology, and best practices.
- Responsible for cloud hosting cost.
  - Establish standards, controls, and processes to monitor and optimize cloud infrastructure cost.
  - Ensure that project/department milestones/goals are met and adhering to approved budgets.
  - Work closely with the finance team.
- Responsible for cloud security and compliance.
  - Ensure that security management and privacy requirements are incorporated into cloud infrastructure and applications.
  - Reply to customers' security questionnaires.
  - Prepare the cloud environment, policies and evidence for ISO-27001 and SOC2 Type II audits.

2021-2022: DevOps Team Lead, EverC (EverCompliant, startup)

- Principal engineer.
  - 60% hands-on development work, while leading a team of personnel located in Israel and in Ukraine.
  - Prepare annual budget plans for the platform team.
  - Design and implement team policies, goals, objectives and procedures.
  - Conduct annual and quarter plannings, considering the company's OKRs.
  - Plan and coordinate team's work with other teams.
- Responsible for bringing the product's system and infrastructure from startup level to enterprise grade.
  - Introduce and design product improvements, based on top notch technologies and tools.
  - Design automation procedures to improve development velocity.
  - Design and implement big-data solutions to support company needs.
- Cloud cost optimizations.
  - Ongoing monitoring, review and act accordingly.
  - Successfully reduced 30% of cloud hosting cost.
- Work under high pressure and orchestrate fast-changing requirements and priorities.

2020-2021: Senior DevOps Engineer and SRE, EverC (EverCompliant, startup)

- Managed production and development environments over AWS using terraform, python and ansible.
  - Handled ongoing monitoring, troubleshoot failures and performance tuning in production.
  - Led migration project from OVH cloud (on-premise servers) to AWS.
- Kubernetes tech lead in the R&D department.
  - Improved our Kubernetes clusters using best practices like secondary CIDR for pods, monitoring auto-discovery, and Helm.
- Designed and provisioned new separate infrastructure from scratch for a new product (MarketView) - VPC, EKS, API GateWay.
- Led POCs in cooperation with companies including Snyk, WhiteSource, Rapydo, Coralogix, Harness, DataDog.
- Designed and implemented automation procedures. E.g., backup & restore RDS MySQL clusters; replay SQS messages from DLQ while changing message attributes; auto-update k8s external (dynamic) IPs list for customers to whitelist them.
- Administered various Linux servers running nexus, jenkins, consul, and graylog.
- Worked closely with development teams to better understand their requirements and needs.
- Participated in recruitment, onboarding, and mentoring of new team members.

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2018-2020: DevOps Engineer, AT&T
- Was responsible for dev, test, staging and production environments over AWS and Azure.
  - Designed, implemented and managed the product's infrastructure over AWS and Azure clouds to handle 40,000 TPS.
  - Wrote AWS Cloudformation stacks for resources management on AWS (EKS, Lambda, S3, VPC, EC2, DocumentDB).
  - Automated infrastructure and microservices deployment on AWS and Azure.
  - Owned the root account on AWS - fully responsible for managing users and resources.
- Python, Node and bash development over Linux and kubernetes.
  - Built scalable application on k8s to run up to 1,000 containers using Azure AKS and ScaleSets for AT&T's android applications testing.
  - Implemented various DevOps tools (helm, skaffold, nexus) and guided developers to use them.
- Monitored and fixed vulnerabilities and compliance issues discovered in the product's infrastructure.
- Designed and wrote Jenkins pipeline scripts for CI/CD, integrated pipeline with Fortify, Sonar, Veracode and SeaLights.

2016-2018: Full-Stack Developer, AT&T
- FE (Angular based) & BE (Django based) development over Rocket, Kubernetes and Vagrant.
- Python, Java 8 and NodeJS development over Linux.
- Designed and implemented automation infrastructure, Django and Selenium based, with emphasis on low running times.
- API development with Slack for signaling automation results on staging environment.
- Developed an Open-Source project with the Linux Foundation.
- Full automation coverage (100%) – integration, system, functional, E2E, DB, and API testing.
- Full CI/CD after pushing code to 'master' – running automation in staging and deployment to production.
- Worked independently with the product manager in the USA.
- Experienced with Built-in-Quality method and developed with TDD method.

2015-2016: QA Automation Engineer, AT&T
- Was responsible for CI/CD flows – implemented Jenkins and Bash based infrastructure, including maintenance and triggering.
- Automation (90%) and manual (10%) testing – integration, system, functional, E2E, DB, and API testing.
- Expanded coverage of an existing automation infrastructure while reducing running times.
- Executed and analyzed automated tests – integration, DB, API, and GUI.
- Installed developed products in the integration environment, executed automation and approved installation of new releases.
- Studied, executed, and analyzed performance and load testing systems.
- Wrote test documents, reported bugs, and managed tasks with GitHub, Jira, and Asana.
- Interface with overseas teams in the USA, Italy, France, Belgium, and India.

2012-2015: IT System Administrator, IDF Intelligence Corps – classified unit, rank: First Sergeant
- Installed, administered, and handled ongoing management of complex server farms.
- Deployed and configured Active Directory and Exchange services, including backup management.
- Designed, deployed, and operated virtualized servers (VMware based).
- Extensive knowledge and experience with 3rd-party network and storage solutions including NetApp and Cisco.
- Designed and set-up remote network sites (Routers, Switches) over STM1 and E1 infrastructures.
- Created study programs and tests for new soldiers on the team.

Technologies and Knowledge
Languages: Python, Bash, Groovy, JavaScript, Java, C++, C, PowerShell, SQL, CQL
Cloud: AWS cloud, Azure cloud
Tools: Git/GitHub/GitLab/BitBucket, Kubernetes, Docker, Rocket, Containerd, Jenkins, Django, Selenium, Angular 1.7, Node.js, Slack, Ansible, VMWare, VirtualBox, Vagrant, Maven, Sonar, Fortify, Nexus, Jira, Asana, IBM SDP, HockeyApp, GitHub Actions, GitHub Workflows, ArgoCD, Apache Spark, Apache Airflow, Databricks
Databases: PostgreSQL, Cassandra, SQLite, Oracle, MySQL, MariaDB, Azure CosmosDB, AWS Aurora RDS, AWS DocumentDB, AWS DynamoDB
Streaming and Queues: Kafka, AWS MSK, AWS SQS, AWS Kinesis
Servers: Nginx, Apache, IIS, ESXi 5.5, NetApp, Windows Server (2008 R2, 2012 R2), Ubuntu, RedHat Linux, Amazon Linux
Work methodologies: Built-in-Quality, Agile, Kanban

Education
2016-2019: B.Sc. – Holon Institute of Technology (HIT) – Computer Science (evening class)
2016: Linux Networking, Advanced Java Programming, Angular for Beginners
2015: Agile Methodology
2014: VMware vSphere: Install, Configure, Manage [V5.5]
2012: 5-month professional training certification course in the IDF Intelligence Corps' Technological Unit on IT, System, and IP.