

Dan Yasny

Infrastructure, Platform, DevOps and SRE Engineer

Montreal, Quebec, Canada

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PROFESSIONAL SUMMARY

Experienced IT/Infrastructure engineer specializing in SRE, DevOps, Cloud, System Administration, Hardware, Software, Networking and Storage. Extensive knowledge of modern IT technologies, particularly in opensource Virtualization, Containerization, Big Data, Cloud computing, and Web3 infrastructure. Proven leadership skills with experience managing and developing teams while maintaining high quality standards and service awareness.

PROFESSIONAL EXPERIENCE

Irreducible

November 2024 - Present

Staff Infrastructure Engineer

Canada

Driving infrastructure and automation efforts across all fields:

- Kubernetes implementation and migration
- CI/CD for Go, Rust, Terraform, Ansible, Verilator and FPGA oriented pipelines
- Ground-up architecture for secure and scalable infrastructure across public clouds and baremetal datacentres
- Automated internal and competitive benchmarking
- AWS and GCP integration for infrastructure architecture and DevOps workflows
- GitHub org management and IaC automation

Figment

July 2024 - November 2024

Lead DevOps Engineer

Canada

Driving Automation and Operational Excellence in Blockchain Infrastructure

- Spearheading the automation of infrastructure and blockchain operations across multiple blockchain networks within a high-performance staking environment
- Designing and implementing systems to support seamless scalability, reliability, and security for staking operations
- Leading initiatives to enhance processes and workflows across the DevOps organization, with a strong emphasis on eliminating manual tasks, streamlining blockchain setup, and automating maintenance and upgrade procedures
- Mentoring and providing technical guidance to team members and intra-team collaborators on a variety of complex topics, fostering a culture of continuous learning and knowledge-sharing
- Collaborating closely with blockchain maintainers and developer communities to optimize performance and maximize staking rewards, leveraging deep expertise in blockchain protocols and infrastructure
- Managing operations with a diverse set of T1 and T2 cloud and infrastructure providers, ensuring optimal resource utilization and performance across multi-cloud and hybrid environments

Technologies and Keywords:

Blockchain Platforms: Cosmos-SDK, Ethereum, The Graph, and other staking-focused networks.

Automation and Infrastructure Tools: Ansible, Terraform, Helm, Python, Bash scripting.

CI/CD and Deployment: GitHub Actions, Kubernetes Jobs, robust CI/CD pipelines.

Containerization and Orchestration: Docker, Kubernetes, GKE, EC2, and bare-metal environments.

Cloud and Infrastructure Providers: GCP, AWS, OVH, Servers.com, and other industry-leading providers.

Kraken Digital Asset Exchange**Senior Core Infrastructure/Performance/Site Reliability Engineer***Canada*

Core infrastructure and performance engineering role (details under NDA).

Turso

November 2021 - September 2023

Senior Infrastructure Engineer/Cloud Architect/Platform Engineer*Canada*

Lead design and manage all things infrastructure: DevOps/SRE/Cloud/etc

- Design, implementation and maintenance of cloud and on-prem based deployments
- Participate in the overall product design from the infrastructure point of view
- Design and build the company's Managed Service offering
- Create, manage and expand the Turso E2E Automated testing suite
- Create, manage and continuously develop the CI/CD, Release and Test pipelines for various company products across a matrix of programming languages, target platforms and technologies

Keywords:

AWS, Azure, GCP; EKS, AKS, GKE, Kubernetes; Helm, Argo Workflows, ArgoCD, Jenkins, Tekton, Github Actions, Docker, Podman, ECR; Terraform, Ansible, Argo, Python, Bash, Rust, Golang; SQL, PostgreSQL, Distributed; Automation, Cloud, Infrastructure, DevOps, IaC, SRE; GCC, Make, Cargo, gorelease, nmake; Linux, MacOS, Windows; Everything in between

MayaData

January 2021 - November 2021

Principal Field Engineer (DevOps/SRE/Stateful workloads on Kubernetes)*Remote (EST)*

Wearing many hats and participating in Product, Sales, SRE, SevOps, Business, Quality, Marketing, Community and other aspects of the company.

Providing technical assistance to the Sales cycle around Kubernetes, Stateful workloads and of course high performance storage.

Generating automatic Demo environments and workloads for specific customer requirements.

Participating in various Product Management and planning cycles.

Technical stack:

Python, Ansible, Terraform; AWS, Azure, GCP; Prometheus, Grafana, Loki; Kubernetes, K8S, Openshift, Kubespray, MicroK8S; CassandraDB, MinIO, ScyllaDB, PostgreSQL, MariaDB (in K8S); Mayastor (NVMe-oF, SPDK), OpenEBS (with various subsystems)

ScyllaDB

September 2020 - November 2021

Head of Global Technical Support*Montreal, Quebec, Canada*

Establish and manage the global Techsupport team for ScyllaDB:

- Establish and document support procedures
 - Define, formalize and configure customer interaction and support channels
 - Interview, hire and manage a globally distributed team
 - Establish ticketing, on-call rotation, escalation procedures and automated reporting
 - Create an internal knowledge base dealing with customer specifics and contributing to the public technical KB
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July 2018 - January 2021

ScyllaDB

Senior Field Engineer

Montreal, Canada

- Massive customer database deployments
- Technology blogs around Scylla
- Authored the scylla-ansible-roles
- Various automation, backup/restore, migration and support utilities supporting the Scylla stack
- Built and managed the Customer Support team

Keywords:

ScyllaDB, Cassandra, NoSQL, Spark, Prometheus, Grafana, Docker, Kubernetes (k8s), mesosphere, DCOS, AWS, GCP, Azure, Ansible, Bash, Python, Terraform, some Go and Scala and many many more.

Red Hat

December 2015 - July 2018

Senior Quality Assurance Engineer SDET

Montreal, Canada

Developing test automation for OpenShift, Kubernetes, with focus on KubeVirt, the K8S native VM launcher.

Testing and automation of Openstack (RDO, RHEL OSP) deployments using Tripleo and OSP-Director.

Testing, debugging and working with engineers to resolve issues in the entire OpenStack deployment process, from hardware configuration to working tenants and VMs

Technology keywords:

OpenShift, KubeVirt, Container Native Virtualization (CNV), KVM, libvirt, Kubernetes, Docker, CRI-O, OpenStack, TripleO, Ansible, Python, Go/Golang, CI/CD (Continuous Integration/Deployment/Delivery), Jenkins, Docker, Puppet, Git, DevOps, Automation...and many more

Red Hat

May 2014 - December 2015

Senior Technical Cloud Computing Solutions Architect

Montreal, Canada

Automation of OpenStack deployments using eNovance Spinalstack (Puppet, Ansible, and various custom toolsets)

RHEV, Cloud Forms and other hybrid cloud oriented technologies integration

Data Centre design and maintenance for eNovance and Red Hat customers

Providing technical response to arising customer issues around OpenStack deployments

Participating in presales engagements for strategic customers

Self Employed

May 2013 - May 2014

Data Centre Design and Management Consultant/Architect

Canada

Designed, deployed and maintained company datacentres including firewalls, VPN access, networks, servers, virtualization systems, SAN systems, and various enterprise applications. Implemented monitoring, backup systems, and integrated company-specific systems.

EARLIER CAREER EXPERIENCE

Red Hat

December 2011 - April 2013

Senior Technical Product Manager - Virtualization and Cloud

Israel

Developed solutions for System Architects, ISV partners and customers. Created custom solutions for specific requirements, advanced RHEV/oVirt adoption, developed future feature concepts, and conducted competitive analysis.

Red Hat

November 2008 - December 2011

Senior Software Maintenance Engineer

Israel

Specialized in Red Hat Enterprise Virtualization (RHEV). Served as Subject Matter Expert, developed support tools and scripts, assisted in corporate setups, compiled knowledge base articles, and maintained internal laboratory for testing.

Dell Computers

September 2007 - September 2008

Senior Server Analyst

UK/Ireland, Hebrew and Russian markets

Provided technical support for Dell servers and products, diagnosed and troubleshot customer equipment, utilized analytical troubleshooting skills, and supported comprehensive Dell server ecosystem.

CogniTens

December 2006 - June 2007

System Administrator and IT Manager

Israel

Managed remote support systems, installed hardware and software for production robots, maintained Windows and Linux workstations, managed servers and networking infrastructure, and secured worldwide antivirus installations.

Various Private Companies

January 1994 - January 2006

Senior System Administrator

Israel

Specialized in multiple operating systems, network design and implementation, backup and business continuity management, mail and messaging systems, web services, and hardware management across diverse technology stacks.

CORE TECHNICAL SKILLS

<p>Cloud & DevOps</p> <p>AWS, GCP, Azure, OpenStack, Terraform, Ansible, Jenkins, GitHub Actions, ArgoCD, CI/CD Pipelines</p>	<p>Containers & Orchestration</p> <p>Kubernetes, OpenShift, Docker, EKS, AKS, GKE, Helm, Mesosphere, DC/OS, Nomad</p>	<p>Virtualization</p> <p>KVM/QEMU, VMware ESX/ESXi, Hyper-V, Xen, RHV, oVirt, libvirt</p>
<p>Programming & Scripting</p> <p>Python, Bash, Go, Rust, Ansible, Git, SQL, NoSQL</p>	<p>Databases</p> <p>ScyllaDB, Cassandra, PostgreSQL, MySQL, MongoDB, MS-SQL</p>	<p>Monitoring & Observability</p> <p>Prometheus, Grafana, Loki, Distributed tracing, Metrics collection</p>
<p>Networking & Storage</p> <p>Cisco, Dell, HP equipment, SDN, iSCSI, NFS, FC, FCoE, Multipathing</p>	<p>Blockchain & Web3</p> <p>Ethereum, Solana, Cosmos SDK, The Graph, Validator nodes, Staking infrastructure, Zero Knowledge proof infrastructure</p>	

EDUCATION

BA, Business Management

University of Derby

2002 - 2005

VMware vSphere 5 Install, Configure, Manage (VCP5)

High Tech College Hertzlia

2012

RHCE Bootcamp

Red Hat Training

2010

CompTIA Network+

Self Study

2007

PROFESSIONAL CERTIFICATIONS

RHCVA

RHCE

Server+

Linux+

CNE

LANGUAGES

English (Native)

Russian (Native)

Hebrew (Native)

French (Basic)