

# Vlad Voloshyn

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## Summary

Infrastructure Engineer with passion to improve skills and learn new. About 5 years of evolving cloud/on-premise infrastructure and automating development workflow. Open source fan and great team player. Have worked for startups as well as top 100 fortune companies. Not afraid of taking responsibility and proving value, have lead experience.

## Education

**NTUU KPI, IASA faculty** – Master's degree, Computer Science

## Experience

[05.2019–11.2020] **Lead Infrastructure Engineer, PartsTech**

- MariaDB, MongoDB schema and query optimizations, configuration tuning, setting up clustered ProxySQL for MariaDB Galera, RDS, Redshift
- Migrating Elasticsearch to 6/7 releases, updating mappings, synonyms optimization, implementing custom routing
- Terraform, Ansible for managing AWS multi-az infrastructure
- Kubernetes, kops, helm/helmfile, kiam, Traefik ingress, Velero
- Distributed tracing via Jaeger, using Jenkins, Github Actions, ArgoCD
- RabbitMQ cluster automatic bootstrap configuration, tuning options
- Graylog maintenance and upgrading, changing to EFK
- Prometheus EC2 auto-discovery setup, adding Victoria Metrics as long-term storage, AWS monitoring enhancements, cost optimizations
- Roadmap planning, mentoring new teammates, hold code and performance reviews

[06.2018–07.2019] **Lead Infrastructure Engineer, LUN | Flatfy**

- Multi-Cloud environment distributed in Hetzner, AWS and GCP
- Microservices within HashiCorp stack (Consul, Nomad, Vault, Packer, Terraform)
- Immutable infrastructure in stateless/stateful services
- Logs/metrics via ELK+Filebeat, statsd, Sentry, Prometheus + Trickster + Grafana

- Managing dbs (Elasticsearch, Percona, Postgres, Redis)
- Data migration to PXC multi-master cluster with ProxySQL in front
- Tuning Elasticsearch search and index performance
- SaltStack, queueing with RabbitMQ, Docker, Jenkins
- Weave overlay network, OpenVPN/Pritunl, Fabio, Nginx, keepalived
- Automated managing of DNS zones and records via OctoDNS
- Python, Flask, Celery, Alembic SQLAlchemy

**[03.2017–05.2018] DevOps Engineer, SoftServe**

- Monitoring and maintenance 24/7 real-time highload system, improving to make it auto scalable and cost-effective. Being on-call and taking part in developing new platform. Expertise in mentoring junior engineers.
- Manage services that require long periods of draining
- Use smp\_affinity to pin device interrupts to specific core in Ubuntu
- Server configuration for IOS/Android push notifications
- AWS, Chef, Terraform, Capistrano, Datadog, New Relic, Elasticsearch, Redis, MySQL, Bamboo+Bitbucket Pipelines, Packer, Vagrant, Rundeck, Splunk, JFrog Artifactory, PagerDuty
- Python (writing Lambda functions), Ruby, Bash, Golang
- Automatic backup validation and DR actions
- Work on monitoring enhancement

**[11.2014–05.2018] System/Network Administrator, NTUU “KPI”**

- Network with 100+ PC and 30+ \*nix type bare-metal servers support and maintenance
- Provisioning and configuring Web servers, proxies (Apache, Nginx, Squid)
- Xen, databases, LDAP, mail, monitoring with Nagios/Cacti
- dhcpcd, ipfw, mpd5, named, Zoneminder, Nextcloud
- Networking, Cisco switch/AP configuration, VPN, DNS servers, IP-cameras
- FreeBSD/Linux kernel building and tuning
- Managing team of System Administrators

## Miscellaneous

English level - B2 (Upper-Intermediate)

Github profile - <https://github.com/volym3ad>

Regularly taking part in hackathons, conferences, workshops, writing stories on Medium (<https://medium.com/@vvol>), dou devops digest co-author.