

Yuriy Vlasov

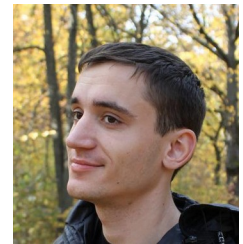
System Engineer / DevOps

Location: Kharkiv, Ukraine

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English level: intermediate (approximately B1)



Summary

Swiss-army-knife DevOps system engineer in a wide variety of business applications. Particularly interested in challenging projects. Always interested in highload systems and Linux-based server infrastructures.

Education

Kharkiv Aerospace University "KhAI"

Sep '14 – June '18

FACULTY OF RADIOELECTRONICS, COMPUTER SYSTEMS AND INFOCOMMUNICATIONS

DEPARTMENT OF COMPUTER SYSTEMS, NETWORKS AND CYBERSECURITY

Bachelor of Science in Computer engineering

Additional:

- ACM ICPC Member (Competitive programming) from Oct '14. Participated in Ukrainian Eastern Contest twice in '16 and '17.
- Participated in 9th International IEEE Conference Dependable Systems, Services and Technologies with article "Prototyping tools for IoT systems based on virtualization techniques".
- Passed EPAM DevOps KhAI Spring18 Training School.
- Passed summer practice in CHI in '16, developing concurrent software for streaming video from camera on Raspberry Pi 3 B+ to the server. Made on Python 3.4 using multiprocessing lib.

Skills

- Thorough knowledge of Linux system architecture – hands-on Linux experience for more than 8 years. Worked with distros: Ubuntu (Xubuntu, Kubuntu), CentOS, Debian, Arch Linux, Manjaro Linux, Linux Mint, GRML.
- Developed on C++ for 3 years and C for almost 2 years.
- Actively develop utilities on Python 3 more than 2 years.
- Have experience in networks management and system administration for more than 6 years.
- Skilled DevOps System Engineer.
- Building of mobile applications with publishing them to AppStore or PlayMarket in automated mode.

Technologies

- GRUB2 bootloader configuration updating and management.
- dm-crypt using for encryption of partitions (currently work on laptop with encrypted root partition).
- Configuring of Linux DE (currently using xfce4) for using hotkeys as often as possible for speeding up tasks execution.

- Thorough knowledge of Bash scripting, regular expressions and Linux utils (awk, sed, grep, screen, watch, top, ctop, nmap), Python version 3.2+ (threading, re, multiprocessing, boto3 etc.), Git, Docker (building, tagging, pushing, connecting in networks), SQL (PostgreSQL), Ansible (actively using roles), AutoIT (9+ years of experience), basic networks architecture building theory (nets, subnets, static routing, iptables etc.), SSH tunneling (both straight reverse), JSON and YAML data representation formats.
- Worked with databases: PostgreSQL, MongoDB, MariaDB, MySQL, Firebird.
- Good knowledge of C and C++.
- Basic knowledge of C#, HTML5, CSS3, JS, JQuery, Java.
- Scheduled for studying: Chef, Puppet.
- Familiar with and have some skills: Nagios, Prometheus, Grafana.
- Tightly worked with: GitLab (gitlab-ci) with setting up of GitLab-CE server, Jenkins, BitBucket, TeamCity, MSBuild, Docker, Zabbix (configuring of notification, triggers, actions), Hetzner (own server is hosted on it), Postgres (used in 2 projects and 2 course projects), Firebird (backup, restore, fix), Rancher (rancher-cli, load balancing, automated AWS hosts setup), fastlane (publishing to AppStore and PlayMarket).
- Worked in IDE's: JetBrains (PyCharm, DataGrip, IntelliJ IDEA), QtCreator, VisualStudio (C#, C, C++), SQL Manager for Firebird, MySQL Workbench.

Experience

KhAI, Embedded Software Engineer

Dec '15 – Sep '17

- Development of software for GPS tracker based on SIM900D and STM32 MCU.
- Development of JSON parser and string methods library.
- Development of pseudo-parallel queue with dynamic memory allocation (dangerous but it works stable).
- Development of cryptography library based on AES-256 algorithm.

Mint3D, System Engineer

Apr '16 – Oct '17

- Managing of server infrastructure with databases, website and store.
- Managing database deployments.
- Managing operating system and all the services of 3D printer which is controlled with Raspberry Pi 3B+.
- Developing of CI/CD update system: both printers and server infrastructure.
- Developing of remote support system based on reverse SSH tunnels.
- Security analysis and supporting.

FCT-Altai.ru, DevOps System Engineer

from May '16 nowadays

(Non-profit organization)

- Managing of server infrastructure with databases, website.
- Developed Kubernetes configuration for creation of cronJobs with custom backup images based on rsync.
- Set up Zabbix server and configured notification to Slack and E-Mail of developers about failed healthchecks and resource leakages.

Vlasov.pro, Owner

from Jan '18 nowadays

- Set up server on Hetzner and made backups.
- Set up pair of nginx-proxy and letsencrypt-nginx-proxy-companion which allowed to configure automatic receiving and updating of SSL certificates from LetsEncrypt in automatic service discovery container structure.
- Set up and configured own NextCloud server for storing personal data.
- Configured mail server with help of pdd.yandex.ru. Such approach is more secured and free of charge (mail yuriy@vlasov.pro is handled by Yandex PDD service).
- Wrote about vlasov.pro on plain HTML+CSS.

- Migrated to Rancher in tricky way with setting up both server and client on one server (less price for rent). Set up a lot of services: personal site, remote torrent client, webdav server, filebrowser, ssh-chat... (P.S. I will not provide direct links here because of security – this document is public).

New Line Technologies, DevOps System Engineer from Jun '18 nowadays

- Set up of CI/CD pipelines based on Jenkins, TeamCity, GitLab-CE.
- Administration and set up of backup system on Windows and Linux servers.
- Building of Xamarin, ASP.NET, NodeJS, Xcode projects in scope of automated CI/CD pipelines. Automated deployment to Play Market (alpha, beta, custom tracks) and AppStore (testflight).
- Set up of Rancher cluster.