Yurii Rochniak

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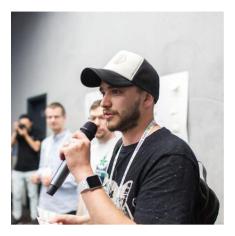
Blog: https://grem1.in



- Improved the predictability of the team's deliverables by managing team priorities according to the OKR framework
- Improved the visibility of some **Kubernetes** components' reliability by introducing **SLOs**
- Decreased the time to create a full-functional Kubernetes cluster to ~30 minutes and a single command by creating a CLI cluster-management tool in Go
- Reduced operational burden for product engineers by abstracting 2 Terraform IaC with Kubernetes operators
- Reduced the footprint of internal tests for Helm charts to a couple lines of code per test by creating an internal library to test charts with Go and Terratest
- Introduced highly available setup for a legacy deploy sub-system as well as decreased MTTR for this sub-system to ~5 minutes using AWS EFS
- Ensured compliance of the infrastructure by upgrading OS version as well as Saltstack version in use. This change also required an upgrade of some internal scripts from Python 2 to Python 3

January 2018 - June 2019: Preply (A global language learning platform) - CloudOps Engineer

- Decreased the deploy time of a monolith application from 30 to 10 minutes by a migration from AWS Elastic Beanstalk to Kubernetes
- Increased time to market for the new features from 1 deploy in a few days to a couple of deploys a day by implementing a CI/CD platform based on **Jenkins** and implementing dynamic feature environments for product engineers in **Kubernetes**
- Improved the infrastructure operations by adopting IaC approach with **Terraform**
- Increased MTTR by adopting **DataDog** as an observability solution
- Reduced infrastructure costs by adopting AWS Spot instances for Jenkins agents and non-production Kubernetes nodes
- Increased team's throughput by adopting Kanban methodology
- Pioneered the incident management process including the culture of post-mortems



September 2016 - January 2018: <u>Adobe Advertising Cloud (ex-TubeMogul)</u> (Demand-side platform for online advertising) - Systems Engineer

- Improved the automation of the existing infrastructure in AWS and OpenStack using Terraform and Puppet
- Ensured the stability of internal systems by providing operational and oncall support using **Nagios** and **Sensu**
- Improved monitoring of various subsystems by writing native **Sensu** monitors in **Ruby**

October 2014 - September 2015: <u>VolPlatinum</u> (International VolP provider) - Support Engineer

- Reduced MTTR of the internal office network from several minutes to a few seconds by implementing a router with automated failover to the secondary ISP based on a Linux machine
- Helped to scale the business as well as reduce costs by switching from a proprietary solution to FreeSWITCH and OpenSIPS
- Reduced infrastructure footprint as well as improved cost to efficiency ratio by implementing virtualization on top of corporate servers using QEMU and KVM

January 2014 - October 2014: <u>LuckyNet</u> (Internet service provider) - Support Engineer

Education

- September 2013 June 2015 Master's degree in telecommunication systems and networks from the National Technical University of Ukraine "Kyiv Polytechnic Institute." Institute of Telecommunication Systems
- September 2009 June 2013 Bachelor's degree in telecommunications from National Technical University of Ukraine "Kyiv Polytechnic Institute." <u>Institute of</u> <u>Telecommunication Systems</u>

Courses

- 2018 Lean Kanban University "Team Kanban Practitioner"
- 2018 Udemy "Scalable Microservices with Kubernetes"
- 2014 "Linux & Networking" by PortaOne

Other experience:

- Winner of ClimateLaunchpad Ukrainian national finals in 2016
- 2016: Teacher in IT Arts educational project. Subject: cloud technologies
- 2012 2015: Student magazine "KPIshnik". Editor-in-chief / columnist
- 2010 2011: "Provider Turboty" charity project. We have created a computer class in "Otchiy Dim" near Kyiv and taught computer basics to the children there for half a year.

Publications and Public Talks

- Telegram channel and a newsletter about DevOps: https://t.me/catops
- Lambda@Edge: run your code at CloudFront (eng)
 Why and how do we run Kubernetes on the Spot instances (eng)
- Public speaking: https://grem1.in/talks/