

## Yurii Rochniak

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GitHub: <https://github.com/grem11n>

Blog: <https://grem1.in>



### July 2019 - present: [N26](#) (Online bank) - Lead SRE

- Improved the predictability of the team's deliverables by managing team priorities according to the **OKR framework**
- Helped to scale the platform team to more than 20 engineers by participating in the interview process
- 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:** [Adobe Advertising Cloud \(ex-TubeMogul\)](#) (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:** [VolPlatinum](#) (International VoIP 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:** [LuckyNet](#) (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." [Institute of Telecommunication Systems](#)

## 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/>