Mihail Mihaylov

Staff DevOps/SRE Engineer

CONTACTS

🏠 Sofia, Bulgaria

✉ me@misho.dev

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✈ https://github.com/
mihailgmihaylov

Skills

AWS / GCP
Kubernetes
Prometheus
Terraform
Argo/GitOps
ELK
Motivation
Ansible/Puppet
Vim
Golang
… and more…

INTRODUCTION

I am a very experienced DevOps/SRE engineer. I am a CNCF Bulgaria, OpenFest, TuxCon lecturer with vast experience and passion in open-source technologies and CNCF solutions. A critical thinker.

I have been working in the IT field for some time now and I have found both my passion and my purpose in my profession. After investing years in studying infrastructural engineering best practices, I've finally discovered a platform that seamlessly integrates them - Kubernetes. This has become my gateway to a vibrant community in CNCF, where I find both inspiration and a shared dedication to excellence. I found the same attention to detail

WORK EXPERIENCE

03/2022 - Ongoing

Staff Site Reliability Engineer @ MariaDB Corp.

Database-as-a-Service multi-cloud platform
- Responsible for the reliability of the SkySQL DaaS and MaaS platforms
- Working with hundreds of Kubernetes clusters in GCP and AWS
- Developing internal observability platform
- CD and Infrastructure-as-a-code design and development

10/2017 - 03/2022

Staff DevOps Engineer @ Receipt Bank / Dext

FinTech Product Software Company
- Developing and maintaining the managed Kubernetes infrastructure of the company
- Performing the migration of all stateless micro-services to containers and container orchestration
- Designing and creating the AWS hosted self-managed Kubernetes clusters
- Designing and implementing a multi-cluster high-available monitoring system

08/2016 - 10/2017

DevOps Engineer @ Tradeo

E-trading Product Software Company
- Developing and maintaining the cloud automation infrastructure of the company's product
- Enhancing security, availability, and accessibility of the product's infrastructure and developing innovative, state of the art cloud solutions on Google Cloud
- Implementing autoscale, failover and high-availability on crucial applications and databases with Kubernetes, GCloud, Puppet and Ansible

05/2014 - 08/2016

Cloud Infrastructure Engineer @ Accedia

Software Services company
- Infrastructure consulting of clients and projects
- Database Administration and development
- Infrastructure development and maintenance of the corporate IT cloud environments
- Developing and implementing the CI/CD project pipeline

EDUCATION

10/2007 - 06/2011
Bachelor in Informatics "Information systems"

Faculty of Mathematics and Informatics in Sofia University, Bulgaria

10/2011 -
Masters in Informatics "Distributed systems and mobile technologies (not finished)

Faculty of Mathematics and Informatics in Sofia University, Bulgaria

09/2002 - 06/2007
High-school education

High School of Mathematics "Acad. Kiril Popov" - Plovdiv, Bulgaria

2011 - 2012
CAE - C1 Advanced (English)

Cambridge Assessment

10/2012 - 05/2014
DBA @ HP Global Delivery Center

Software Services Department
- Database administration and support of customer environments
- Troubleshooting, designing, maintaining and tuning databases on all environment types
- Maintaining high-impact heavy-loaded database environments

05/2010 - 10/2012
Infrastructure and Integrations Engineer @ Musala Soft

Software Services Company
- System administration and maintenance in a corporate IT environment
- Deployment and troubleshooting of software technologies and tools
- Security and backup responsibilities
- Developing and implementing the CI/CD project pipeline

12/2009 - 05/2010
Web Hosting Technical Support @ Zetta Hosting Company Ltd

Web Hosting
- Support the corporate infrastructure's web hosting services provided by the hosting company like Apache, FTP, SSL, VPS, and personal and corporate websites

MY DAY TO DAY

I value quality work and in doing so I tend to spend more time planning, testing and troubleshooting. I have found this to be both more valuable in the long term and a good way go gather sustainable knowledge.

Automation	Troubleshooting	Trying and failing	Planing and research
20%	15%	25%	40%
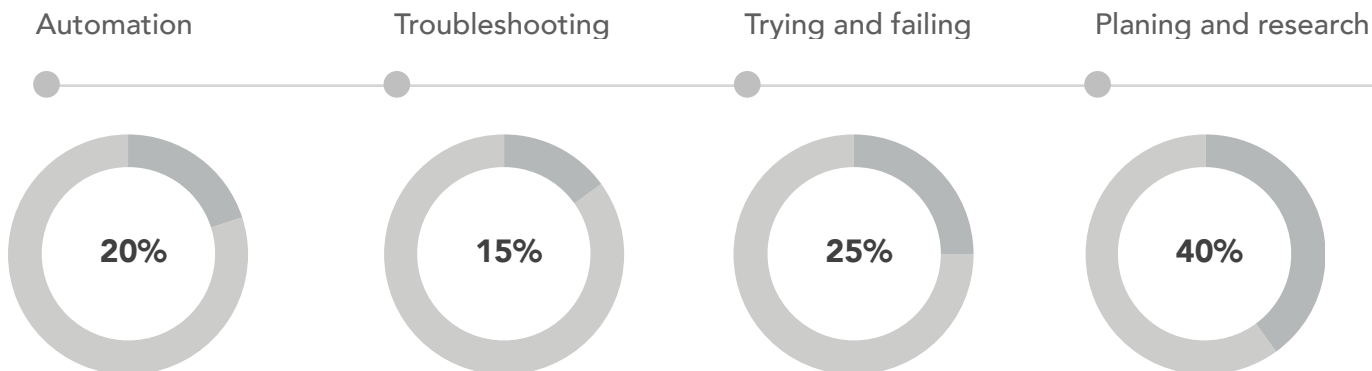
Achievements

CNCF Bulgaria lectures

Prometheus at scale - Jan 2019
Monitoring and Observability - Jan 2020
Multi-cloud application autoscaling with Thanos - September 2022

TuxCon Bulgaria workshop

Kubernetes the hard way! - May 2020

OpenFest Bulgaria 2023 lecture

Multi-cloud/cluster monitoring with Kubernetes and Thanos - Nov 2023

Article about DevOps

My Career - DevOps - May 2020

PromCon 2024

Agile Monitoring At Scale With Thanos - October 2024

Personal Intrest

Skiing, running GoKart, StarCraft2, CSGO, video editing, fantasy and sci-fi book reading, physics and astronomy. I travel a lot and like to experience the world.