ZDENKO VRABEL
SW Engineer

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Profile

I'm engineer who is constatnly jumping between code and infrastructures. I have passion for distributed systems, dynamic infrastructures and network traffic. I'm quick learner, eager to apply my experience and knowledge in a practical settings. I'm preffering simplicity over complexity, data over subjective thoughts and customer needs over tech. fashion.

My passion about containers leads me to wrote blog site okontajneroch.sk (in Slovak Language). I'm open to share my knowledge on local meetups where I'm speaker. My love for code and CLI leads me to write few open source tools.

I'm big believer in platform engineering and platform as a product idea as next step in DevOps evolution. I believe we need more product thinking in infrastructure platform domain. This leads me to self-study of a product design.

Skills

- Languages: primarily Go, but also Java, Kotlin, Python, C/C++
- Devops tooling: GitLab and GitHub CI/CD, Terraform, Ansible, Helm, Flux etc.
- Understanding of containers internals and Kubernetes
- Cloud infrastructures, mainly GCP
- Understanding of modern datacenters (networking, Clos topology etc)
- Some basic understanding of product design

Experience

Feb. 2023 - now

Senior Solution Engineer
Deutsche Telekom IT Solutions Slovakia
- Helping build Open Sovereign Cloud and managed Kubernetes product for confidental computing
- Reverse engineering and bugfixing of k8s operators
- e2e testing of Kubernetes clusters

Nov. 2021 - April. 2023

Core Infrastructure Engineer
NASES - National Agency for Network and Electronic Services Slovakia
- Tech. advisory and occasional consultancy
- Part-time job for Slovakia eGov
- Helping bring Kubernetes into Slovakia eGov (for products like MobileID) etc
- In the early phase mostly building clusters, later knowledge sharing

Nov. 2020 - Jan. 2023

Infrastructure Platform Engineer
kiwi.com
- Operating 60+ Kubernetes clusters (managed and bare-metal) with 300+ services
- Migrated all DNS records from route53 to Cloudflare (500+ hostnames)
- Automatize migration of new traffic routing
- Failed in leading small team on mission re-architecture current k8s clusters

Oct. 2019 - Jan. 2020

Freelance Software Engineer
E-Commerce customer
- APIfication and automatization of ordering processes, aggregator of multiple sellers
- Build a complete SaaS solution from sratch in 3 months.
- Neomonolith architecture and monorepository
- Used tech: Kotlin, gRPC, PostgreSQL, Gradle, Liquibase
- Building scalable infrastructure and production environment on AWS (Terraform, Packer, Shell scripts)
- Building full CI/CD

May. 2019 - Now

Software Engineer / Co-Founder
Unravela startup
- Crawling and datamining the OSS repositories. Understanding of social aspect of source code
- Business validation of ideas
- Go lang for crawling and data cleaning/preparation
- Python for data analytics and Plotly for visualisation
- Struggled with product definition

Oct. 2015 - Apr. 2019

Software Engineer
Wirecard
- Performance tunning and optimalization of Tokenizer.
- Maintenance and implementation of new business requests into legacy payment gateway.
- Redesign of old CI to Jenkins 2.x wit pipelines, migration from Puppet 2 to 3.
- Participating on project, the goal was build Hadoop ecosystem in production for various advanced analytics (Lambda architecture).

- Creating ACL that integrate new Kafka/streaming world with legacy Chargeback system.

Jan. 2014 - Nov. 2015

Software Engineer
YouCon Slovakia

- Establishing the Continous Integration for company needs.
- Frontend development & design of PEP application
- Integration of SAP CRM (ICI) and Cisco UCCX (message driven architecture).

Oct. 2011 - Dec. 2013

Java backend developer
Celum Slovakia s r.o.

- Bugfixing & implementation of new features into legacy Web2Print solultion.
- Architecture and PoC for nex-gen Web2Print solution.

Dec. 2008 - Sep. 2011

J2EE & SAP WebDynpro Developer
RWE IT Slovakia s r.o. Košice

- Maintenance of existing projects, implementation of new requests. Nothing fancy.
- Programming in Java (J2EE) & WebDynpro for SAP Netweaver platform.

Mar. 2008 - Nov. 2008

C\C++ Symbian Developer
Ixonos Slovakia

- Very short experience with Symbian

Jun. 2005 - Apr. 2008

C\C++ Developer
I.S.D.D. s r.o. Bratislava

- Outsourced in Orange Slovakia where I spent the most of time.
- Data ingestion from SS7 core network to system Metrica.
- Programming in C\C++ on Unix platform and Oracle DB.

Jan. 2004 - Jul. 2005

C\C++ Developer
Soluziona Slovakia s r.o. (now Indra Slovakia) Bratislava

- Bugfixing of existing source code and implementation of new requests in 'Energy Readings' domain.

Open Source

As an enthusiastic programmer and geek, I'm also interesting in OpenSource projects. Doing OpenSource projects is a great school where you have to be a programmer, product manager, tester, all in one person.All my code is available on github.com/sn3d.

- **Kconf:** The kconf helps you with kubeconfigs, to relive my pains with context manipulation.

- **Excav:** Excavator (or shortly excav) automatize process of patching repositories in bulk.

- **Glenv:** Jump into your favourite repository folder and GitLab env. variables are automatically loaded into your shell. This tool in combination with direnv will export you project's env. variables from GitLab.

- **Artisan:** Experimental project with mission: Run the same build easily everywhere, anytime. Itdoesn't matter if you want to build on your local machine, on GitLab, or GitHub. Artisan is like Makefile, where each target (or task) is executed in its own Docker container. Today we have Dagger.io :)