

Profile

I'm engineer who is constantly jumping between code and infrastructures. I'm passionate and always curious about containers, dev tools, infrastructures and distr. systems. I'm eager to apply my learnings and knowledge in a practical settings. I'm preferring simplicity over complexity, data over subjective thoughts and customer needs over tech. fashion.

My passion about containers leads me to write blog site okontajneroch.sk (in Slovak Language). I'm passionate also about code, writing small tools as open source.

Skills

- Languages: mainly Go, Python, but also Java, Kotlin, C/C++, Shell scripting
- Little experience with NodeJS, TypeScript and Pulumi
- Operating and building Kubernetes clusters
- Terraform, Ansible, Puppet, dockerization, but mainly YAML-ing
- API design
- Cloud providers: mostly GCP
- Architectural concepts likeDDD, clean architecture etc.
- Basic knowledge of product design and product thinking

Experience

Nov. 2021 - now

Core Infrastructure Engineer

National Agency for Network and Electronic Services Slovakia

- Tech. advisory and occasional consultancy
- Part-time side job for Slovakia eGov
- Helping bring Kubernetes into Slovakia eGov (for products like MobileID) etc.
- In the early phase mostly building clusters and setup delivery pipeline on air-gap bare-metal

Nov. 2020 - now

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
- Writing internal tools and automatization in Go/Python
- Leading small team (3 people) on mission to re-architecture current k8s clusters but we failed
- Decoupling data platform and infra platform

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 scratch in 3 months.
- Neo-monolith architecture and monorepository
- Used tech: Kotlin, gRPC, PostgreSQL, Gradle, Liquibase
- Building scalable infrastructure and production environment on AWS (Terraform, Packer, Shell scripts)
- Building CI/CD pipelines

May. 2019 - Nov. 2020

Software Engineer / Co-Founder

Unravela (very early-stage startup)

- Crawling and datamining the git 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 tuning and optimization of Tokenizer.
- Maintenance and implementation of new business requests into legacy payment gateway.
- Redesign of old CI to Jenkins 2.x with 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 Continuous 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 solution.
- 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 for me, where I need to be a programmer, product manager, tester, marketer. All in one person. All my code is available on github.com/sn3d.

- [Excav](#): Excavator (or shortly excav) automatize process of patching repositories in bulk.
- [Toolbx](#): Put all your organization CLI tools under one roof like gcloud or aws-cli for easy distribution and exploration.
- [Gleny](#): 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.
- [GitWrk](#): Small CLI application that helps you with monthly reports by extracting working hours directly from git repositories.
- [Artisan](#): Old experimental pet project with mission: Run the same build easily everywhere, anytime. It doesn'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 :)