JIŘÍ DOKOUPIL

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EXPERIENCE

Medlify   September 2023 – May 2024
SRE Lead

· In charge of building a SRE team
· Responsible for picking team members
· Responsible for implementing observability practices

- Before launching the first customer, there was absolutely zero visibility about anything

- Implemented on-call rota

- Added logging functionality

- Guaranteed agreed SLA

- Disaster recovery preparations

- Implemented change management, release management and incident management practices

· Tech stack:

- Cloud provider entirely AWS

- k8s (EKS)

- Helm

- GitHub (incl. GH Actions)

- ArgoCD

- Kafka (MSK)

- Frontend in ReactJS

- Backend in NodeJS/TypeScript

· Medlify hit financial problems and decided to made this position redundant

Anaplan   April 2021 – September 2023
Senior Site Reliability Engineer

· Maintaining k8s microservices operational
· Implementing Rundeck jobs (Data migration, integrity checks, ad-hoc tasks)
· Responsible for customer data migrations (@*fb.com* →@meta.com email domain name users migration)
· Operations Oncall rota (PagerDuty)
· Implementing and executing downtime releases of crucial components (Anaplan core apps)
· Infrastructure management (Chef)
· Log management (Splunk, migrating to GrafanaLabs SaaS)
· K8S secret management (Hashicorp Vault)
· Maintaining deployment pipelines (Harness, Rundeck, Jenkins)

IRIS   November 2019 – April 2021
DevOps Lead

- Leading a team of 5 DevOps Engineers
- Implementing physical infrastructure to AWS migrations for acquired companies like ResultsSquared and Taxfiler
- Responsible for CI/CD (TeamCity)
- Responsible for versioning (inherited BitBucket and built Gitlab)
- Maintaining Kubernetes (EKS and native)
- Implementing monitoring (Grafana, Prometheus, Zabbix, DataDog – cross platform integrations)
- Mentouring junior DevOps team members
- Automating infrastructure as a code with Terraform
- Promoting DevOps practices across the corporate
- Implementing corp. wide OpenVPN for remote working (mainly because of sudden increase of remote working related to Covid-19)

William Hill   January 2017 – October 2019
System Engineer

- Project SSBT (self-service betting terminal)
- Project ROSi (Retail Operating System Interface) - Betting terminals for the US market
- Managing Retail's WHC (William Hill Cloud) microservices ($\sim$50 microservices per environment, 5 environments in total, typically 3 nodes per stack)
- Managing SSBT's operating system (as of mid-2019 there is $\sim$4000 SSBTs all across UK)
- Brocade/Stingray traffic managers management for load balancing, proxying and writing TrafficScript scripts
- Migrating vSphere hosted services to WHC
- Migrating WHC microservices to Marathon/Mesos
- Migrating Marathon/Mesos to AWS
- Migrating entire William Hill Retail puppet codebase from Puppet Community Edition 3.8 to Puppet Enterprise 2018
- Puppet based orchestration (masterfull on server-side and master-less on SSBTs)
- Low lever operating system system engineering utilising UEFI, modifying rEFInd bootloader to support additional touchscreen devices
- Responsible for automated OS install on encrypted partitions, custom initramfs
- Developing new point-of-sale and betting kiosk OS for William Hill US
- Coin/note acceptor firmware management tools development and deployment
- Spawning new environments and developing tools to switch environments

Sky Betting and Gaming   February 2016 – December 2017
DevOps Engineer

- Working on Sky Vegas
- Managing deploy process in Chef
- Splitting micro-services

  - Mainly OpenBet services running on Apache Tomcat

    – FOG, RGI, OXi, GCM, etc.
- Gaming DevOps Engineer on Disaster Recovery project
- Designing Jenkins CI jobs
- Redesigning virtual servers
- Server migration between vSphere clusters

AVG Technologies   May 2015 – January 2016
Cloud Engineer

· Contractor/freelancer
· Designing and deploying cloud infrastructure solution supporting new services
· Working on projects ZEN, ZEN2 (next generation ZEN) and UACloud
· Designing VPC startup and runtime automation using CloudFormation
· Designed and implemented masterless Puppet EC2 setup with CodeDeploy
· Integrated Atlassian Bamboo into AWS/CodeDeploy/Puppet scheme
· Working with site-to-site VPN solution CheckPoint
· Working closely with ZEN2 micro-service Locator
· In charge of monitoring and logging solutions for all AVG's Amazon cloud projects - Zenoss, Sumologic
· In charge of transfer from in-house datacenter to Amazon for UACloud project
· Designing new deployment process using Docker containers

Gamblified   2013 – December 2015
CIO / company owner

· Co-founded and built new company doing business gamblifying mobile games (Dead Trigger, Hillclimb etc.)
· Formed the company from scratch
· Created and maintained company budget
· Formed the initial idea
· Wrote the business plan
· Led the investment negotiations
· Responsible for whole IT, R&D and IT operations
· Managing IT and business processes
· Actively developing multi threaded server daemon in Oracle Java
· Managing employees including game devs for Android, iOS and web in Unity Pro
· Chief software architect
· Responsible for sales strategy and representation with customers
· Exhibited on Global Gaming Expo 2015 in Las Vegas at Scientific Games booth
· Successfully negotiated and signed a contract with Scientific Games inc.
· Failed Scientific Games' due-diligence because of investor's crime record

  • Ivo Valenta
    Owner of Synot
· Unfortunately the business model proved not to be feasible without being able to operate on the US market
· Closed the company after a year and a half from the incorporation date and approximately 3 years after the initial idea

  • Synot ICT has invested CZK 1M (approximately USD 40k)

  • Madfinger games has invested CZK 2M (approximately USD 80k)

AVG Technologies   June 2014 – October 2014
Cloud Engineer

· Contractor via CoolPeople
· Created new design for cloud computing in AWS and partially deployed it
· My solution is a foundation for future development of nearly all AVG's activities with Amazon technologies

· Created proof-of-concept solution for project ZEN
· Designed and implemented availability zone failover for NAT instances in AWS
· Deployed site-to-site VPN connection between Cisco 3800 routers and AWS VPC endpoints
· Deployed ZEN into production environment
· Interrupted due to activities in Gamblified s.r.o.

Kajot June 2012 – May 2014
Linux Admin/Developer

· Designed and developed system for gaming machine deployment and remote setup (similar system to Salt or Ansible)
· Responsible for 3-–5 servers in production
· Managing approx. 10,000 linux gaming machines in production
· Development of operating system security features, certificate and license management system
· Created a RHEL KVM virtualization cluster for internal purposes
· Executed live machine transition from Linux From Scratch to Debian
· Designed, developed and executed updates of the new Debian machines
· Working with encrypted CompactFlash storage by WiBu
· Working with Cisco routers, Cisco L2 and L3 switches

EDUCATION

Brno University of Technology   2013 – 2014
Computer Networks and Communication

· Study terminated
· https://www.fit.vutbr.cz/

Brno University of Technology   2009 – 2013
Information Technology

· Graduated
· BSc.
· https://www.fit.vutbr.cz/
· • Thesis name: Cluster Solution for High Availability OpenVPN

TECHNICAL STRENGTHS

Scripting Languages	Python, Perl, Bash
Programming Languages	C, C++, Java
Software & Tools	Jenkins, git, LaTeX, Bamboo, AWS
Pet projects & tech	Arduino, Terraform, Ansible, 3D printing, OpenWRT, Google Cloud, Cisco network gear, Prometheus, Grafana, Docker swarm

LANGUAGES

English - Full Professional Proficiency

Czech - Native

Russian - Intermediate

Italian - Elementary

CITIZENSHIPS

Czech (EU/Schengen) - since birth

British - since March 2024

MISCELLANEOUS

FPV Drone racing https://www.ifpv.co.uk/pilots/873

GNU/Linux administration Amazon Linux, Arch Linux, Debian, RHEL, Fedora, CentOS, Gentoo, OpenWRT

Exotic architectures: Worked with Debian GNU/Linux on UltraSPARC ULTRA60

Running a personal networking lab

Cisco CCNA – Completed all 4 parts (I1C and I2C courses in University)

Drivers license (CZE) cat. B (Vehicles up to 3.5 tons)