JIŘÍ DOKOUPIL

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EXPERIENCE

William Hill January 2017 – present
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 (∼50 microservices per environment, 5 environments in total, typically 3 nodes per stack)
· Managing SSBT's operating system (as of mid-2019 there is ∼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

Northumbria University   April 2019 – present
IT/Cloud Ops Masters

· Started a masters degree study at Northumbria University

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

MISCELLANEOUS

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)