Jiri Dokoupil

Curriculum Vitae

"You have enemies? Good. That means you've stood up for something, sometime in your life."
- Winston Churchill

Experience

2017 – current **System Engineer**, William Hill, Leeds, United Kingdom.
- System Engineer for Retail, project SSBT
- Managing Retail's WHC (William Hill Cloud) microservices
- Managing SSBT's (self-sustaining betting terminal) operating system
- Migrating vSphere hosted services to WHC
- Puppet based orchestration
- Coin/note acceptor firmware management tools development and deployment
- Spawning new environments and developing tools to switch environments

2016 – 2016 **DevOps Engineer**, Sky Betting & Gaming, Leeds, United Kingdom.
- 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

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2016 – 2016 **Cloud Engineer**, AVG Technologies, Brno, Czech Republic.
- 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

2013 – 2016 **Chief Information Officer**, Gamblified, Brno, Czech Republic.
- 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
    Investor representative and owner
    http://www.praguepost.com/czech-news/42172-more-and-morebillionaires-enter-czech-politics
    http://www.praguepost.cz/archivescontent/39239-soccer-bribery-scandalintensifies.html
- 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)

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2014 – 2014	**Cloud Engineer**, AVG TECHNOLOGIES, Brno, Czech Republic.

- 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.

2012 – 2014	**Linux Admin/Developer**, KAJOT, Brno, Czech Republic.

- Designed and developed system for gaming machine deployment and remote setup
- Responsible for 3–5 servers in production
- Managing approx. 2000 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

2013–2014	**M.S. in Computer Science and Engineering**, *Brno University of Technology*, Brno, Czech Republic.

- Computer Networks and Communication
- Study terminated
- http://www.fit.vutbr.cz/

2009–2013	**B.S. in Computer Science and Engineering**, *Brno University of Technology*, Brno, Czech Republic.

- nformation Technology
- Graduated
- http://www.fit.vutbr.cz/

Thesis

Title	*Cluster Solution for High Availability OpenVPN*
Supervisor	Ing. Patrik Halfar
Opponent	Ing. Tomas Kasparek
Abstract	The aim of this bachelor's thesis is to analyze the possibilities for running the OpenVPN daemon in a cluster and to implement such a solution. At first, the thesis analyzes current technologies and possible approaches to this matter. Next there's one possible solution described more and implemented. In the end there are results being analyzed, mostly by describing the tests, that took place with the implemented solution.
Link	https://www.vutbr.cz/en/studies/final-thesis?zp_id=79574

Languages

English	**Full Professional Proficiency**
Czech	**Native**
Russian	**Intermediate**
Italian	**Elementary**
Slovak	**Bilingual**

Miscellaneous

- Java, Python, C/C++/C#, LaTeX, Bash
- AWS stack knowledge – CloudFormation, VPC, CodeDeploy, Elastic Beanstalk, Route53, S3, Elastic Load Balancers, ...
- GNU/Linux administration Amazon Linux, Arch Linux, Debian, RHEL, Fedora, CentOS
- Building GNU/Linux Linux From Scratch, Gentoo, OpenWRT (now LeDe)
- Primary desktop OS Gentoo
- Primary server OS Arch Linux
- Exotic architectures Worked with Debian GNU/Linux on UltraSPARC ULTRA60
- Cisco CCNA - Completed all 4 parts (I1C and I2C courses in University)
- Drivers license (CZE) cat. B (Vehicles up to 3.5 tons)
- Firearm license (CZE) A (Collector), B (Sport), E (Self-defense)