

Jaroslav Štěpánek



CONTACT INFORMATION

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CITIZENSHIP

Czech Republic

PROFESSIONAL EXPERIENCE

Oracle Global Services Czech Republic, s.r.o., Prague, Czech Republic

03/2021 until now, *Senior Principal Software Engineer*

- Leading and mentoring a small team of engineers
- Develop and maintain internal tools to support developers in product delivery and customization (Bash/Python)
- Performing code reviews and patching in Python, Bash, and C
- Ensure alignment of development teams with best practices in technology and processes
- Oversee secure release processes in GitLab CI/CD and Jenkins
- Adapting development processes to maintain a high technological standard
- Architect and manage Kubernetes clusters in OCI using Terraform
- Conducting tech architecture analysis and planning
- Automating release management workflow
- Assessing technological proficiency of interview candidates

Projects/Achievements

- Migration from subversion to GIT
- Migration from Jenkins to GitlabCI
- Implementation of K8s cluster using Terraform in OCI
- Designed and developed multiple automation tools to streamline the customization of Oracle Linux ISO images for specific customer needs
- Leading the FedRAMP compliance initiative

Eurosoftware, s.r.o., Pilsen, Czech Republic

12/2016 - 03/2021, *Team Leader Linux*

- Leading Linux team (<10 people)
- Establishing the strategic plans for Linux Team
- Administration of GNU/Linux servers (Debian, SLES)
- Programming in script languages (shell, python, php, js)
- Work on further development of server health monitoring using Icinga and Grafana
- Administration of Linux mail stack (Postfix, Dovecot)
- Maintenance of SVN repositories

Projects/Achievements

- Implementation of Puppet for server orchestration (Puppet + Gitlab CI)
- Internal deb package maintenance and building (Gitlab CI)
- Design and implementation of PBX for GK branches (Wazo)
- Automated infrastructure password changing (Shell + Python)
- Implementation of SSO solution (Keycloak + Win AD)
- Automatic server installations (Foreman + Puppet)

Openmatics, s.r.o., Pilsen, Czech Republic

10/2015 - 11/2016, *Team Leader ICT & IS*

- Administration of GNU/Linux servers (Debian, CentOS, RHEL)
- Programming in script languages (sh, python, php, js)

- Responsibility for production data security (ISMS)
- Establishing the strategic plans for departments
- Management of departments budget
- Leading ICT and IS teams (<10 people)
- Administration of Oracle Weblogic servers
- Administration of Azure cloud

Projects/Achievements

- Implementation of Puppet for server orchestration (Puppet + Gitlab CI)
- Work on ISO 27001 certification
- Automatic server installations (Foreman + Puppet)

IntraWorlds GmbH, Pilsen, Czech Republic

02/2014 - 10/2015, *Head of Configuration Management*

- Administration of GNU/Linux servers (Debian, CentOS, RHEL)
- Work on further development of server health monitoring using Nagios
- Maintenance of SVN repositories
- Programming in script languages (sh, ruby, php, js)
- Development and maintenance of LAN network (metal, wireless)
- Linux/Windows support for end users
- Responsibility for production data security (ISMS)
- Establishing the strategic plan for department
- Leading a small team of people (<10)

Projects/Achievements

- Implementation of Puppet for server orchestration (Puppet + Gitlab CI)
- Implementation of ELK stack for log management (Elasticsearch, Logstash, Kibana)
- Work on ISO 27001 certification
- Responsible for planning and executing migration to Amazon Cloud for US based services. The project was implemented using Amazon Elastic Compute Cloud and Puppet. The entire solution is monitored using Nagios and deployment is created using Ruby/Capistrano.

Openmatics, s.r.o., Pilsen, Czech Republic

01/2013 - 11/2013, *Embedded Linux Developer*

- Development and design of GNU/Linux system for embedded telematics device
- Creating packages for the newly developed system
- Modification of vanilla GNU/Linux kernel, implementation of new drivers
- programming in script languages (sh, perl, python,)
- programming in c, c++
- Maintenance of GIT, SVN and Nexus repository
- Active work on **Bach project** as main GNU/Linux developer
- Work delivered in Scrum environment

Projects/Achievements

- Creation of new telematics device suitable for Truck market. (PCB design + Custom GNU/Linux OS)

Openmatics, s.r.o., Pilsen, Czech Republic

05/2012 - 11/2013, *ICT administrator*

- Administration of GNU/Linux servers (Debian, CentOS, Oracle Linux)
- Administration of UNIX servers (Solaris, FreeBSD)
- Programming in script languages (sh, perl)
- Development and maintenance of LAN network (metal, wireless)
- Active work on **Colocation Berlin** project as an hardware architecture developer and security expert
- Active work on **Jira and Confluence Deployment** project as an database and GNU/Linux advisor

Projects/Achievements

- Transfer of the production environment of Oracle Database and Weblogic to company owned servers in Berlin. Project focuses on creating robust infrastructure with full redundancy and load balancing.
- Transfer of data from one Jira instance to another, replace wiki by Confluence, and link both tools to internal ecosystem (eg. Win AD, subversion, git).

Vigour, a. s., Pilsen, Czech Republic

06/2011 - 05/2012, *ICT administrator*

- Administration of GNU/Linux servers (Debian, CentOS, RedHat)
- Administration of UNIX servers (Solaris, FreeBSD, OpenIndiana)
- programming in script languages (sh, perl)

Projects/Achievements

- Implementation of ZFS cluster
- Migration from Apache to NGINX

Maurice Ward & Co., Pilsen, Czech Republic

04/2008 - 04/2011, *IT administrator*

- Administration of GNU/Linux servers (Debian, CentOS, OpenSuse, RedHat), Windows server (2003)
- Development and maintenance of LAN network (metal, optical, wireless)
- End user support and administration of pc workstations (Windows XP, Vista, 7)
- programming in script languages (sh, vbscript, perl) and development of company GNU/Linux system.

Projects/Achievements

- Development of internal GNU/Linux OS for warehouse usage
- Responsible for establishment of networking in newly acquired warehouses

EDUCATION

University of West Bohemia, Pilsen, Czech Republic

2007 - 2008, Faculty of Applied Sciences

- Informatics
- Study of computer science

Střední odborné učiliště elektrotechnické, Pilsen, Czech Republic

2003 - 2007

- Electrotechnics, Telecommunication, ICT
- Graduation Exam, May 2007

CERTIFICATES

CCNA 1

LICENCES

CCNA 1: Networking Basics, certificate issued by Cisco

ČÚBP č. 50/1978 Sb.

Vyhláška č. 50 allowing work on electrical equipment that is powered on

COMPUTER SKILLS

Programming languages Visual Basic and basic knowledge of C/C++ and Java

Scripting languages PHP, (BA)SH, Perl, JavaScript(+ jQuery, Ajax), basic knowledge of Python and Ruby

Databases MySQL, PostgreSQL, SQLite, Oracle DB

Operating systems GNU/Linux, UNIX, Microsoft Windows

Linux distributions Ubuntu, Debian, Fedora, CentOS, RedHat Enterprise Linux, Oracle Enterprise Linux, SUSE Linux Enterprise Server, Archlinux and Linux From Scratch

Unix distributions FreeBSD, PC-BSD, OpenBSD, OpenIndiana, OpenSolaris and Solaris

Networking Basic/Moderate level of configuration for RouterOS, Cisco IOS, Cisco ASA

Storage Basic/Moderate level of configuration for NetAPP

Others Development of GNU/Linux for embedded devices

OTHER SKILLS **Strategic planning**
 Team leadership
 Project Management

LANGUAGE SKILLS **Czech** native speaker
 English full professional proficiency
 French basic/passive knowledge of the language
 German basic/passive knowledge of the language

MISCELLANEOUS **Driving license** category B, C
 Gun license category B,E