BORIS B[ ]

Engineering and IT Consultant

Systems Engineer

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WORK EXPERIENCES :

10/2016 - 06/2017 Permanent UK	**DevOps Engineer / Linux Sys.-Admin** *- LiveLink Technologies (Havant, Hampshire)*

- Linux Debian/Ubuntu Servers (LEMP/LAMP) Infrastructure setup, configuration, administration and automation via Chef, knife, test-kitchen on a 3-tier ENV (testing, staging, production) using ad-hoc Ruby/shell-scripting
- SW provisioning and deployment on: on-premise-bare-metal (Supermicro, Dell, HP), local VMs (AWS, Vagrant, VirtualBox) and cloud solutions (IaaS on AWS) via ad-hoc/community Chef recipes and bash-scripts (200+ Nodes environment).
- Using Docker and Kubernetes to migrate E-commerce monolithic Platform into broken-down micro-services architecture
- Using Capistrano with ad-hoc/community recipes to successfully conduct Ruby on Rails/Node.js code-base deployments
- Daily use of Git/Github to support code Development, patches and updates concerning platform and infrastructure
- Platform back-end and infrastructure Ops; daily troubleshooting via monitoring and cli tools (Zabbix, Datadog, New Relic)
- local/remote technical support via Linux cli and bash-scripting (user accounts, permissions, SSH keys etc.)
- code and scripts refactoring for: infrastructure/network parameters monitoring and telemetry; successful PaaS and IaaS deployment on AWS and bare-metal.
- Successfully bridging Developers and Infrastructure Engineers communication gaps by accurately drawing requirements (web-app, Platform and Infrastructure architecture) and assuring correct SW versioning upload/deployment to all 3 tiers of the environment run (TESTING, STAGING, PRODUCTION).

08/2014 - 09/2016 Contracts UK	**Linux Sys-Admin, Ext. Consultant** *- Direct contractor for Ricardo plc. (Shoreham by Sea West Sussex)* *- Subcontractor on behalf of Alten Technologies UK (Portsmouth Hampshire)*

- Providing local and remote Tech assistance and Sys. Administration to Linux Servers and workstations (Debian, Ubuntu, RH, CentOs based) both bare metal and VMs
- Hosts, SW/HW resources & systems monitoring, benchmarking via Zabbix and ad-hoc monitoring shell-scripts
- Assessing performance & HW up-scaling opportunities evaluating loads, number of users, available resources, other KPIs
- Internal bash/shell-scripting and code refactoring/improvement
- Set up and good keeping of user accounts, credentials, permissions, authentication keys (SSH, GPG), on both servers and office workstations.
- Auditing Web-servers logs, syslog Auth.log analysis and compilation of incident response reports (possible break-in attempts and remote brute-force attacks).
- Improving security processes, updating and maintaining documentation and procedures definitions
- Developing around Firewall rules, Iptables, ufw; monitoring live connections, active services and such.
- Helping instilling in others Security best practices regarding Linux Systems

10/2013 - 04/2014 Permanent ITALY	**Junior Systems Engineer** "Delectra S.r.l." Hi-tech LEDs Lighting Company (Treviso, Veneto)

- Providing Tech support to production and Ops, HW/SW Setup, configuration and good-keeping of multiple workstations running Windows XP/7;
- Setup and user support for Linux Ubuntu Servers 12.04 and Desktops (config. user accounts, access policies, credentials, SSH key-pairs, local firewall rules etc.)
- Instructing users and personnel on adoption of best security policies and practices
- Helping senior Eng. with the setup and config. of LAN infrastructure and Wireless AP (assembling, cabling, config, admin ..) and providing support to management and junior staff

EDUCATION :

10/2012 - 03/2013 (6 months) **FRANCE**	**R&D Lab. Technical Internship** *"ISAE-ENSMA", CNRS - "PPRIME Institute" (Poitiers, FRANCE)*

- HW/SW Setup, calibration of facilities & Instrumentation (Linux, Embedded Linux, sensors data harvesting)
- Field measurements, Raw Data acquisition, analysis & post processing (Matlab, gnuplot,)
- Big Data acquisition, stat analysis, trends discovery, numerical simulations (Tableau, spreadsheets, DBs)

10/2010 - 07/2013 10/2006 - 02/2010 09/2000 – 06/2005 **ITALY**	**MSc. Systems Engineering** (University of Padova, Padova) **BSc. Systems Engineering** (University of Padova, Padova) **High School/College of Computer Science and Programming** (Vittorio Veneto, Treviso)

LANGUAGES :

Italian: Native speaker | **English:** Full working proficiency | **French :** Limited working proficiency

ACCREDITATIONS :

06/2012 - 08/2012	• **French** Lang. Intensive Acquisition Prog. + Certificate of Proficiency	**CLA (UniPD)**
10/2008 - 11/2008	• **English** Exam Intensive Preparation Course	**TOEFL iBT**
08/2004 & 05/2005	• **English** Language Certificate of Proficiency	**ACCET & ESOL FCE**
07/2004 - 08/2004	• **English** Language Intensive Acquisition Program	**Lang. Academy FL, USA**

MAIN COMPUTER SKILLS :

OSs & Coding:	**OSs:** Linux (Srv/Dsktp) (Debian, Debian-based distros, Ubuntu, Fedora, Red Hat, Suse and CentOS) MS. Windows 2000/XP/7/8/10, Mac OSX 10+ **Coding:** C, Fortran, Bash scripting; some extent: Python, Ruby
Tech. Stack	**Versioning, sub-versioning, Code control:** Git & Github, Stash/Bitbucket; Jira, Confluence some: npm, rpm troubleshooting **Latest Iaas/Paas Techs:** Docker, Kubernetes, AWS CLI and GUI console (EC2, S3, Code Commit, EBS, ELB, VPC, EFS, some extent: CloudFormation and Lambda) **Active/Passive monitoring:** Zabbix, datadog, New Relic, Cockpit (for containers/ local images monitoring). Briefly used: Splunk, PagerDuty, AWS Cloud Watch **provisioning & Config Mngmt:** Chef, Chef-DK/cli, knife, test kitchen, Rspec/ServerSpec (testing DSL), some extent: Puppet **Testing/sandboxing/virtual:** Vagrant, Virtual box (headed/headless); some Xen/KVM **CI/CD & deployment:** capistrano, CircleCi (particularly troubleshooting build failures), GoCD
WebApps Tech. Stack	**Webservers etc. :** apache2, nginx, phusion passenger, HA-proxy, Solr, varnish, memcached, resque, sidekiq **DBs:** redis, percona, mySQL

PERSONAL INTERESTS :

Linux OS, CLI, open source, IoT, RaspberryPi, Technology, customer/tech support, HW/SW, gadgets, teamwork & respect, STEM, Computers, Tutoring, Science & Engineering, Project Management, Rock Music, Bass Guitar, Blues Harp, International experiences and Team work.