Lorant Onodi

**DevOps Engineer, Build and Configuration Manager**

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# Profile

Detailed technical knowledge and hands-on experience of DevOps, Automation, Build Engineering and Configuration Management. Extensive experience in the design and implementation of fully automated Continuous Integration, Continuous Delivery, Continuous Deployment pipelines and DevOps processes for Agile projects across the Digital Cinema and Retail sector. Over 9 years IT experience encompassing Manual and Automated Software Testing, UNIX/Linux Admin experience.

# Qualifications

* Experienced with interpreted languages, including Python
* Understands compiled languages
* Strong use of shell scripting languages, including Bash for Linux and OSX platforms
* Facility with development methodologies including Agile and Scrum
* Knowledgeable about CI/CIT/CID integrations and tools including Jenkins, TeamCity and CodeShip
* Good understanding of virtualisation technologies like Docker, Docker Compose, VMWare/ESXi
* Experienced with Microservice Architecture
* Proficiency in Infrastructure as Code approach using Terraform and Ansible
* Good knowledge of AWS services including EC2, EC2 Container Service, Lambda, RDS, Route53, S3, VPC, IAM and SES
* Experienced with various monitoring and logging solution including New Relic, ELK stack, Graylog, Fluentd
* Experienced with Kubernetes and container orchestration

# Achivements

* Created a fully automated CI build and deployment infrastructure for a microservice based web application working in a cross functional team of developers, test and support engineers. Created various tools to make deployments fault tolerant and created an environment where the team could detect bugs, then develop, test and deploy critical fixes in ~8 hours. Critical business requests turnaround time also reduced by enabling multiple release per week.
* Moved the CI and deployment infrastructure to utilise Architecture in Code approach, using Terraform. Environment deployment time (development/staging/production) was greatly reduced, the process was standardised across all environments, infrastructure changes became traceable. After the code was moved to the version control system, they became part of the standard code review process. AWS cost also reduced since unused environment could be destroyed/created in ~30 minutes.
* Updated the static Jenkins builds to utilise the Build Pipeline technology, therefore new build creation could be done by any team member using templates and the build pipeline maintenance tasks could be distributed within the team and system wide changes could be finished faster.
* Created a self-service system for Monitoring and Logging, with dashboard templates for developers, test engineers, support engineers and Sales team to recognise unexpected behaviours, performance degradations and meet the business requirements from Sales and Marketing. Email notifications helped prevent system wide failures by monitoring and forecasting resource utilisation.

# Career History

## 11/2018 – 04/2019 *Site reliability engineer* － GFK － London, UK

Environment: OSX, Ubuntu, Debian, Alpine, CoreOS, AWS, JavaScript, Apache, NGINX, Docker, Kubernetes, Jenkins, Terraform, Ansible, Make, Bash, Git, Atlassian “Stack” (Jira, Bitbucket), Slack

* Maintenance of Jenkins build pipelines
* Built separate Kubernetes clusters with self-service solutions for developers
* Migrated a website hosted with AWS Lambda to Kubernetes
* Helped developers with debugging various site related problems
* Mitigated the immediate shortcoming of previous software architecture decisions

## 04 /2017 – 10/2018 *DevOps engineer* － Vouchercodes.co.uk － London, UK

Environment: OSX, Centos, Debian, Alpine, AWS, PHP, Apache, NGINX, Docker, Kubernetes, Fluentd, TeamCity, Terraform, Ansible, Make, Bash, New Relic, Datadog, Graylog, Git, Atlassian “Stack” (Jira, Bitbucket), Slack

* Maintenance of TeamCity build pipelines
* Deployment with Ansible and Docker to EC2
* Created performance testing builds in Jenkin
* Monitoring website health and performance with New Relic and Datadog
* Moving the whole container architecture to Kubernetes
* Refactoring the terraform based infrastructure script
* Introducing fluentd as a log collection solution for the container infrastructure

## 02 /2017 – 04 /2017 *DevOps and Build engineer* － Immense Simulations Ltd. － Milton Keynes, UK

Environment: Windows, OSX, Ubuntu Linux, Amazon Linux, AWS, Java, Gradle, Node.JS, Docker, Jenkins, Terraform, Bash, Git, Atlassian “Stack” (Jira, Bitbucket)

* Utilised terraform to deploy Jenkins to AWS EC2 Container Service
* Spreading DevOps mentality in the team
* Using Jenkins Pipelines created Continuous Integration and Deployment pipelines for the Java and JavaScript projects
* Inegrated the Gradle build into Jenkins pipelines
* Implemented code coverage measurements
* Implemented dashboards to show Build, Automated Test and Code coverage status
* Deployed Artifactory server to AWS EC2 Container Service
* Added Automated Artefact Publishing Pipeline to Jenkins
* Created performance testing builds in Jenkins

## 04/2016 - 12/2016 *Software Systems Engineer* － Arts Alliance Media Ltd. － London, UK

Environment: Windows, OSX, Redhat, Fedora, Ubuntu, AWS, Python, Node.JS, Postgres, Docker, Make, Jenkins, Terraform, Bash, GitHub

* Utilised terraform to create easily reproducable infrastructure
* Spreading DevOps mentality in the team
* Created tools and environment where everybody can deploy all services
* Maintaining the CI and Deployment pipelines for the JavaScript and Python projects
* Monitored service availability and performance
* Trained Support members to detect performance degradation and prevent downtimes

## 05/2015 - 04/2016 *Software Quality Engineer* － Arts Alliance Media Ltd. － London, UK

Environment: Windows, OSX, Redhat, Fedora, Ubuntu, Python, Node.JS, Postgres, AWS, Docker, Make, Jenkins, Terraform, Bash, Git

* Joined Thunderstorm team as a software tester to create unique online marketplace for cinema in a greenfield project
* Evaluated various build and development tools to find the most suitable solution for various business requirements
* Created CI pipeline for the Python and JavaScript projects
* Utilized Docker and various AWS services to fulfil scalability and robustness requirements
* Assured service quality by defining testing processes

## 10/2014 - 04/2015 *Lead Software QA Engineer* － Zinemath Zrt. － Budapest, Hungary

Environment: Debian, Ubuntu, Make, CMake, GCC, NUnit, Jenkins, TeamCity, Git, SVN

* Created Company Testing Strategy
* Introduced CI pipeline for a C++ project using CMake and TeamCity
* Standardized and containerized Unit Test environment
* Regularly tested integration between 3D Camera rig prototypes and Virtual Studio software

## 11/2010 - 10/2014 *Software Quality, Build and Release Engineer* － Cognex Corporation － Budapest, Hungary

Environment: Windows CE, 2000, XP, 7, Linux PowerShell, Python, TeamCity, Perl, Git, ClearCase, Batch, Bash, .Net, C#, Visual Studio, InstallShield

* Created automated installer builds with InstallShield for Windows and Windows embedded platform
* Migrated a Perl driven CI tool to PowerShell and TeamCity
* Ran and evaluated automated test suites using an in-house developed Test Automation Framework
* Created automated UI tests for Windows and Windows CE applications using Ranorex

## 05/2010 - 11/2010 *Software Test Engineer* － NNG Zrt.－ Budapest, Hungary

Environment: Windows XP, Windows 2000, Selenium, Git

* Tested the GPS handheld device management client software (mostly manually)

## 05/2007 - 05/2010 *System Test Engineer* － Ericsson Hungary Zrt.－ Budapest, Hungary

Environment: Linux, Windows XP, Bash, Java, SVN

* Completed system testing of Ericsson Telecom Server Platform
* Ran and evaluated automated performance tests
* Developed automated test suites Developed automated end-to-end tests using in-house created test framework

# Education

M.Sc.: Computer Engineering

Budapest University of Technology and Economics － Budapest Hungary

# Personal

Married, Hungarian, DOB 01/12/1980, Aikido