

# Eduard Florinescu

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## Summary

DevOps/Automation

- Kubernetes, Helm Charts, Docker, ELK, EFK, Ansible		Linux. Python, GNU Coreutils, Bash,
- CI/CD Jenkins, Teamcity, Github Actions		Cloud: AWS, GCP, Terraform

## Experience



### DevOps Engineer

Luxoft Romania

Jun 2022 - Oct 2022 (5 months)

1. OpenShift/ Kubernetes/ Helm Charts), Spring Boot, DevOps tool chain and CI/CD (GIT, TeamCity, JIRA)
  - migrating applications between Openshift fabrics;
  - document production flow, release, on-boarding in Confluence
2. Linux / Docker / Ansible / GitHub / Artifactory / Python / bash / Icov
  - add features in zuul CI pipeline (ansible, python, pydoit)
  - monitoring



### DevOps Engineer

Wipro

Aug 2021 - Mar 2022 (8 months)

Wipro bought Metrosystems



### DevOps Engineer

Metrosystems GmbH

Aug 2021 - Mar 2022 (8 months)

MARS (Metro API Repository & Security)

- monitor and fix SLAs and SLOs (with Datadog)
- monitor MARS components and act on errors
- debug, find and fix issues
- follow and completed most of the online courses for Google Cloud Platform DevOps certification (just the Google Professional DevOps Certification Training not the exam)
- updated java on all Dockerfile base images in both MARS V2 V3, thus eliminating the vulnerabilities that were in the old versions
- discovered and fix why logs didn't go into Elastic Database (logs were consumed by the clients thus important)
- ramp-up up with the both public and private cloud infrastructure and assisting in operations
- helped with implement optimised index patterns in elasticsearch;
- migrate for traefik from Ingress to IngressRoute to debug issues.

- filled firewall and infrastructure or other tickets
- created visualisations in Kibana for better debugging
- participated in north-star metric implementation
- outlined a disaster recovery plan.

Technologies and tools used: Openstack, docker, dockerfile, kubernetes, kubectl, Datadog, Prometheus, Grafana, CoreOS, Kibana, Elasticsearch, , Ansible, logstash, elasticsearch, kibana, ELK Stack (EFK stack),

Harbor registry, docker, Lens, Java, maven, gradle, jenkins, gitbash, PostgreSQL, MySQL, MariaDB, Cassandra, sonarqube, Artifactory, k9s, nccm, GitLab, GitHub, fluentd, Alpine, awk, GNU, checkmk, Spring Boot, influxdb, gallera cluster, Ubuntu, CoreOS, Alpine Linux, Helm CI, Traefik, Google Admin Console, VMWare Horizon.



## **DevOps Engineer**

### **PROCESIO**

Mar 2021 - Jun 2021 (4 months)

- Deployment and management of cloud infrastructure using tools such as AWS, terraform, ansible, and OpenVPN
- Automation and scripting using Jenkins, Github, and Jenkinsfile
- Containerization and Kubernetes management with Docker and k8s
- Load balancing and network security with AWS LB, pfSense and Cloudflare
- Troubleshooting and debugging of infrastructure and applications
- Implementation of security practices such as penetration hardening
- Experience with DNS providers, certificates, and other operational tasks



## **Quality Assurance Engineer**

### **SolarWinds MSP is now N-able**

Oct 2019 - Dec 2020 (1 year 3 months)

SolarWinds Managed Service Provider (MSP) - SolarWinds Backup - Recovery testing R&D (Stack: Amazon AWS, Amazon EC2, Amazon RDS, Amazon VPC and Route53, Amazon KMS, SolarWinds Private Cloud, ESXi, Hyper-V, Docker, Django REST framework, JSON RPC, JSON REST, MySQL, Nginx, Grafana, Prometheus, Zabbix, Amazon Elastic Container Service for Kubernetes, Teamcity, Bitbucket, Testlink, JIRA, Confluence)

- Migrated testing environments to AWS, Regression and Functional Testing, Create and maintain automation environments, troubleshoot.
- Automation, bash, python.



## **Quality Assurance Engineer**

### **Mentor Graphics**

Apr 2018 - Jun 2019 (1 year 3 months)

Mentor Graphics ABU - QA Automation: CTS/VTs suites for Android on Renesas Salvator X and Intel Apollo Lake Platforms, Drivers + Hardware abstraction layer (HAL) Android integration testing, built from scratch in Python owned an automation framework for Android CTS/VTs testing. CI/CD troubleshooting, Python, Bash, porting tests between different versions of BSPs, manual/automatic testing on BSPs/Yocto based builds.

## **Software QA Engineer**

NXP Semiconductors

Feb 2017 - Dec 2017 (11 months)

Digital Network Tools - CodeWarrior: Eclipse based IDE for ARMv7, ARMv8, QorIQ and Power Architecture, C and C++ compilers, debuggers, flash programming, board configuration tools, Agile Methodologies (Scrum)

- Writing Java automated tests for CodeWarrior with JAVA 8/JUnit/SWTBot, rewriting Java test-script to improve running time of nightly builds, CDT, GDB, JIRA, GIT, Sourcetree, Bitbucket, Stash for version control and code review, scripting: Bash, Python, Perl
- Bamboo/Jenkins for CI and CD, running and writing test cases for Kernel debug, Uboot debug, Linux application debug in C/C++, validated QorIQ Configuration and Validation Suite(QCVS) and Codewarrior Debugger.

## **Software QA Engineer**

Bitdefender

Apr 2016 - Feb 2017 (11 months)

Bitdefender GravityZone - Advanced Threat Defense: Testing Cloud/On Premise Platforms, micro-services, functional testing, performance testing, load & stress testing, manual/automated testing, Agile Methodologies (Scrum)

- Advanced operations and support on Citrix XenServer and Vmware ESX servers, memory introspection features on Xen and ESXi servers, evaluated portability on Docker, created throughput, performance, load and stress testing for the Serenity product
- Wrote documentation/Atlassian Confluence, wrote test cases/test plans/test runs in TestRail, tools and technologies: LAMP, MongoDB, Mercurial, Docker, Vmware ESXi, Xen, Ubuntu, Tcpdump, Wireshark, Postfix, AWS, JMeter.

## **JavaScript Developer**

1&1 Internet Development

Dec 2015 - Feb 2016 (3 months)

Website Builder

(Worked with Agile Methodologies (Scrum))

JavaScript development (jQuery); Worked with Jenkins, git, GitLab, svn, docker, vagrant, gnu coreutils, awk, etc

## **Software Engineer**

Intel Corporation

Feb 2015 - Nov 2015 (10 months)

- Validated kernel patches for power and performance, analyzed and reported PnP data, reviewed and submitted patches to testing framework
- Ran weekly Power and Performance tests, used autotest testing framework, brought-up hardware, executed firmware updates, patched hardware

-Made bash scripts, installed and maintained benchmark workload server, solved network issues, administered hardware/software infrastructure, helped colleagues with blockers, executed extended engineering tasks.



## **ICT Consultant / Developer / Operations**

Mar 2014 - Jan 2015 (11 months)

- ICT consulting: Server virtualisation / OSs: Vmware ESXi, Oracle VM, Windows Server 2003/2012, Ubuntu server, Advanced Networking & Security consulting, domain administration,

- Development (intranet applications): JavaScript (Vanilla JS, JQuery), HTML, CSS, SASS, PHP & MySQL



## **QA Developer**

Intel Corporation

Jul 2012 - Mar 2014 (1 year 9 months)

-Power Measurements QA Engineer for Android: power and performance KPIs, equipment calibration, data analysis, python scripting

-QA Engineer for Power and Performance for Tizen PC OS: data acquisition, VBA, Electrical engineering, scripting (python, bash, JavaScript), stability testing

-Developer for compliance checker based on W3C Widget standards, WRT, python, JavaScript, YACC/LEX, WebIDL, Tizen API, KVM, QEMU, LXC, XML, SSL Certificates, GIT, Github, JIRA

API tests developer and QA Engineer for Web Simulator: Tizen API testing, JavaScript, WebIDL, Webkit, GIT, JQUERY, XPATH, CSS selector, HTML5

-QA Engineer for RIB: selenium, python, xml, javascript, html5, jquery



## **ICT Consultant / System Engineer**

2011 - 2012 (1 year)

Development: Linux, PHP, Zend, MySQL, Ajax, Python, Google Apps API, WPF/XAML, VBA.

Network and System management:, VPN, tunnels, Linux, VMware ESXi, Windows 2008, OTRS, Nagios, Lansweeper, IBM Lotus, Joomla, LAMP, DNS, AVG Remote Admin, Google Apps for Business, Syncback

Server maintenance, network management.



## **PHP/Web/J2ME Developer**

NETWORK-SECURITY-SOLUTIONS

2007 - 2010 (3 years)

Working on various projects with various teams at their location. Technologies used: PHP/MySql/Zend, XHTML, J2ME.



## **Java Game Programmer**

2006 - 2006 (less than a year)

Developing and deploying games on Java Mobile Edition platform for Mobile Phones



## Junior Java Developer

Fordaq

2005 - 2005 (less than a year)

(Worked with Agile Methodologies (Extreme Programming))

Working in a small team that developed from scratch a movie web portal (Cinebel.be) using Java

Enterprise Edition technologies (outsourcing)



## IT Manager

TEF

Oct 2003 - Dec 2004 (1 year 3 months)

Built the company website, started a project of a portal in PHP, managed local network and internet, technical assistance of business software, IT acquisition etc



## Research Volunteer

Lucian Blaga University of Sibiu

2001 - 2002 (1 year)

Participation in 4th EUROPEAN CONGRESS OF CHEMICAL ENGINEERING with the paper:

P.92-061 The Study of The Heat Transformer with Hydro-Ammonia Solution. Candin, G. E. Florinescu, M. A. Candin

(University Sibiu, RO).

2002. Participation in the 6th Annual Conference of the Society for Mathematical Sciences in Romania, Sibiu, 23-25 May 2002, with the paper "Scientific Applications with UML and VBA by Ilie L. Candin, Brasoveanu Adrian, George Florinescu, VOLUME II, ISBN : 973-651-649-0.

## Education



### Lucian Blaga University of Sibiu

Bachelor degree, Faculty of Engineering- Computer Science

2000 - 2003

## Skills

Linux • Python • JavaScript • Software Development • Test Automation • Testing • Software Design • Electronics • Electrical Engineering • OOP