

Curriculum Vitae

Personal data

First name	Flavius-Cristian
Family name	Dinu
Actual position	Cloud DevOps Engineer
Nationality (according to the latest ID)	Romanian
Contact	Phone: +40.748.802.515 Email: flaviuscdinu@gmail.com

Education

Formal Qualifications	Bachelor's Degree - Polytechnic University of Bucharest, Faculty of Automatic Control and Computer Science
Professional Qualifications (certifications)	Certifications: IBM Certified Application Developer – BlueMix Cloud Platform LCCI English for Business ITIL Foundation Certificate in IT Service Management Trainings: Java EE 7 training Chef Essentials Chef Intermediate IBM Bluemix VMware vSphere Install/Configure/Manage
Language skills	Romanian (native), English - C1, German – A2

Professional experience

Profile	Passionate software engineer with infrastructure as a code mindset and expertise on Cloud Technologies, DevOps, Software Development and Monitoring. Achieved a Bachelor's Degree in Computer Science from Polytechnic University of Bucharest, Faculty of Automatic Control and Computer Science and I am currently studying for a Master's Degree in Internet Systems Engineering at the same university.
Career history	<ul style="list-style-type: none">• April 2017 – Present: IBM – Cloud DevOps Engineer• Sep 2016 – April 2017: IBM – Cloud Engineer/Developer• May 2016 – Sep 2016: IBM – Cloud Monitoring Engineer• Sep 2015 – May 2016: IBM – IT Specialist Event Management and Monitoring (ITM & Netcool/Omnibus)• Jun 2015 – Sep 2015: InCrys - Internship – Monitoring

Assignment history	<p data-bbox="488 275 1423 302">Cloud DevOps Engineer – Automatization Management for SAP April 2017 – Present</p> <p data-bbox="488 349 1398 409">Worked in an Agile Environment with two week sprints and daily scrum meetings in Automatization Management for SAP project.</p> <ul data-bbox="539 459 1433 795" style="list-style-type: none"> • Developed and improved Chef cookbooks. • Used Jenkins for triggering auto-builds on git pull requests • Used best practices for Chef coding and resolved all problems related to Rubocop and Foodcritic for our cookbooks. • Used Test Kitchen for code testing • Used ChefSpec and ServerSpec for implementing unit and functional tests • Used Git for version control • Used ZenHub for tracking and planning. • Developed automation and deployment utilities using Python, Ruby and Bash. <p data-bbox="488 880 1206 943">Cloud Engineer/Developer - IBM Cloud Shared Software Services Sep 2016 – April 2017</p> <p data-bbox="488 992 1449 1052">Worked in an Agile Environment with two week sprints and daily scrum meetings in IBM Cloud Shared Software Services project.</p> <ul data-bbox="539 1099 1449 1400" style="list-style-type: none"> • Configured and maintained IBM CMS DNS Solution (implemented High Availability, added/removed VMs into DNS, resolved DNS defects), updated the DNS python code. • Developed python scripts in order to automate the creation onboarding files for our customers to be included in the DNS solution. • Used IBM Smart Cloud Control Desk (SCCD) to build Migration Manager packages in the Development environment • Offered support to the deployment team when there were problems with the packages in other environments (test, staging, prod). <p data-bbox="488 1449 1327 1512">Cloud Monitoring Engineer - IBM Cloud Monitoring and Event Management May 2016 - Sep 2016</p> <p data-bbox="488 1561 1449 1621">Worked in an Agile Environment with two week sprints and daily scrum meetings in IBM Cloud Monitoring and Event Management project.</p> <ul data-bbox="539 1668 1452 2016" style="list-style-type: none"> • Developed bash scripts in order to install and configure monitoring components and also for the automation of the tasks • Tested scripts in order to see if they work properly and modified them if I found any issues or bugs. • Used PL/SQL to implement triggers and to generate Impact policies. • Worked with DB2 databases (installed DB2 clients, created instances, made remote connections to databases). • Created Deployment Guides for the installation and configuration of our monitoring components. • Worked closely with the production team in order to help them solve any issue

	<p>that may appear with our monitoring solution.</p> <ul style="list-style-type: none"> • Worked with IBM Tivoli Monitoring, Netcool/OMNIBus, Tivoli Common Reporting, Bluecare and WebSphere. <p>IT Specialist Event Management and Monitoring (ITM & Netcool/Omnibus) Sep 2015 - May 2016</p> <p>Offered monitoring support on Netcool/OMNIBus and IBM Tivoli Monitoring.</p> <p><u>Netcool/Omnibus experience</u></p> <ul style="list-style-type: none"> • Implemented temporal, database and signal triggers (using PL SQL). Generated Impact policies for new alerts implementation and modified them to obtain satisfactory results (using PL SQL). • Worked with SNMP, EMAIL, TIVOLI EIF probes (rules and props files modification to satisfy certain needs). • Implemented and edited scripts for matching certain situations using bash. • Used Mib Manager to import mibs and export rules files for networking devices. • Created User accounts and modified their permissions in Tivoli Integrated Portal. Created Views in Tivoli Integrated Portal. • Used TCR to create reports. <p><u>IBM Tivoli Monitoring experience</u></p> <ul style="list-style-type: none"> • Created and edited situations in TEP. • Reconfigured monitoring agents. • Found RCA for different alerts that occurred in monitoring. • Created and edited user accounts. • Provided support for new users in order to configure their TEP. • Participated in on-call support rotation. <p>IBM Monitoring Internship Jun 2015 - Sep 2015</p> <ul style="list-style-type: none"> • Linux System Administration Course • IBM DB2 Course • IBM Tivoli Monitoring Course • Netcool/OMNIBus Course • Shell Scripting Course
Projects	<p>Bachelor's degree Project – Virtual Reality in Robot Operating System</p> <p>Integrated a haptic data glove with Shadow Dexterous Hand using Robot Operating System. The glove movements made by a patient wearing it could be observed in the virtual reality simulator. Due to the fact that the glove had five flex sensors (one for every finger) and Shadow Dexterous Hand was similar to the human hand and therefore it had more joints than the glove sensors, different mapping algorithms were implemented to obtain a perfect communication between them (linear mapping and Gaussian interpolation). Those algorithms were implemented using python. Because this project was meant to help patients track the recovery of their hand mobility, flexion values of a patient could be recorded on a period of a predefined number of attempts and plots were created in order to better observe progress.</p>

	Technologies used: Arduino, Python, Robot Operating System, Ubuntu
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Skills matrix

Category	Item	No. of years	Last year used	Skill level	Remarks
Systems [OS]	Windows	10	Present	4	
	Linux	6	Present	4	
	AIX	1	Present	3	
Programming languages	Bash	5	Present	3	
	Python	3	Present	4	
	Ruby	2	Present	3	
	C	1	2015	2	
	Java	1	2016	2	
	PL/SQL	1	2016	2	
Tools / Methodologies	Chef	1.5	Present	4	
	Git	1	Present	3	
	Jenkins	1	Present	3	
	Ansible	1	Present	2	
	Puppet	1	Present	2	
	SaltStack	1	Present	2	
	Eclipse	1	2016	2	
	IBM ISM/SCCD	1	Present	3	
	Jira	1	Present	3	
	IBM Tivoli Impact	1	Present	2	
	IBM Netcool/OMNIBus	1	2016	3	
	Arduino IDE	1	Present	3	
	IBM Tivoli Common Reporting	1	2016	3	
	Robot Operating System	1	2016	2	
	Magento	1	2016	2	
	IBM Tivoli Monitoring	1	2016	3	
Virtualization Technologies	VmWare Workstation	5	Present	4	
	Virtualbox	1	Present	3	
	VmWare vSphere	1	Present	2	
	Linux KVM	1	Present	2	
Database	Oracle SQL	1.5	2016	3	
	IBM DB2	1	Present	2	
	Cloudant NoSql DB	1	2016	2	
	MongoDB	1	Present	2	
	SQLite	1	Present	2	
Foreign languages	German	6	Present	2	
	English	16	Present	4	

Skill level : 1 – Theoretical knowledge ; 2 - Junior ; 3 – Confirmed experience; 4 – Advanced experienced; 5 – Senior expert.