Contacts:

DevOps

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Personal e-mail:
m.e.morozov1@gmail.com
Github:
github.com/morozovme
Pet projects:
morozovme.com
Job experience
Junior QA - Samsung
2014-2015, 1yr
  • Functional and drive testing of Android apps and mobile devices - phones, tablets, watches.
  • SAP material management, giving out samples to people for different needs and tracking them.

    Focus group assistance, analytics, technical support.

    Weekly meetings with Korean leadership and market discussions

  • Bug tracking using SAP, Excel, test driving the mobile device samples.

    Google pay NFC drive testing

  • Adb shell, configs, logs, firmware flashes using Odin.
QA - Sberbank
2015, 3 months
  • Jira, HP ALM QC bug tracking and task management

    Functional web-app testing

  • Collaboration with admins, analysts, PMs, developers
  • Excel, Test-Cases, Test-suites
Ruby on Rails internship - AMarkets
2015, 1 month
  • Ruby on Rails development - scaffold, gems, active records.
  • SQL, database management

    Linux administration

  • Networking - TCP/IP, HTTP/HTTPS etc.
Junior SDET - Virtuozzo
2016-2018, 1.5 yrs
Our team was testing the functionality of linux distro, so essentialy we were Linux (RedHat) system administrators that had to test all the functionality that is used by sysadmins at
the telecom and hosting companies. I dealt with:

    CVE, security expoits,

    Kernel bugs,

  • Networking - CISCO, LACP, Teaming, bonding, iptables, firewalls, tcpdump,
  • Jira, Test-Rail, Kanban
  • in-house and copilot products like cpanel, acronis, management console written using xhtml, lamp, ajax.
  • libvirt, kvm-like virtuozzo, virsh, xmls

    Container technologies - docker, openvz

  • Orchestration - Kubernetes, OpenStack, Prometheus
  • Bash, python, xml, some cross-compiling
  • Hardware: Server Racks, kvm, BIOS, MBR, hdd swaps, switch management, CISCO cli over patch-cord etc.
While working at my current job as a SDET I was learning other stuff like web app, front-end, backend development - Nodejs, Jquery a bit of php. I was developing pet projects in
my freetime.
Senior SDET - Kraftway
3 months
The stuff I was working with:
  • Hardware - JTAG UART USB
  • Gitlabci that was using docker runners that were hooked up to JTAG and sending bitstreams over it with the latest firmware version
  • Autotests that were written in Python using fio, sqlite and plotlib
  • Developed testing Strategy based on SNIA, JEDEC
  • Mentored QAs that had no previous Linux experience
Side project: <u>on-prem k8s environment</u>
Vagrant, libvirt/virtualbox, bash, kubeadm, helm, istio
Side project: infra scripts and configs
centos7, centos8, ubu18, ubu20 installation and configuration branches, shared-files branch with vagrant and docker files
DevOps - Align Technology
2019-2020, 1 year
  • Rancher 1.6 - cattle
  • AWS - RDS, EC2, ASG, SGs, SQS, SNS

    Heroku

    Bamboo

  • Java Spring, Hibernate
  • Terraform, sparkleformation, cloudformation, stack_master, ansible, chef, helm
  • Bash, Python, Java (springboot, hibernate)

    Kafka

    Kubernetes

    Consul, Vault

DevOps - CustomerTimes
2020-2021, 8 months
  • Rancher2.x, k8s, ECS, Azure, GoogleCloud
  • AWS - RDS, EC2, ASG, SGs, ELB, S3, ECR
  • Java, SonarQube, Golang, Python
  • Hybris - tomcat, Django
  • Terraform, Ansible, helm
  • Bash, Python, Java
  • GitlabCI, Bamboo

    Mentorship for junior devops

Senior DevOps - Outsource company
2021, 1.5 months
This company was an outsource one, they were making people working for more than one client at the same time.
  • AWS - RDS, EC2, ASG, SGs, SQS, SNS, CloudWatch

    meteorjs, golang, java, php

    Cloudformation

    Jenkins

                                                                             Skills
                                                           Progamming, Testing, CI/CD, Administration etc
Soft skills
Soft skills are as important as tech skills, especially in such a middle role that is DevOps. Being effective DevOps means to put on different roles every day, working with people in
synergy, helping them and/or asking for their input when it's necessary.
It's also important to share the expertise between the members of the team. This is achieved through demos, one to one mentoring, interactive work on tasks where the shared
expertise is required, documenting and presenting know-hows.
 DevOps
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Showcase

Job experience and Pet projects

English Russian **Documentation** French Mentoring Cloud infrastructure laC AWS **Linux Admin Windows Admin** Bamboo GitlabCl Jenkins Github-actions npm/yarn **Ansible** Cargo Maven/Gradle gcc Makefile **SonarQube** OWASP localstack Selenium Pytest Unittest Cucumber **Manual Testing** Docker **OpenVZ KVM** Virtuozzo Virtualbox k8s k3s **ECS EKS** Consul Vault Istio Vitess MetalLB Ingress Kustomize Helm Message Queues API store Kubeflow Lambdas Python Bash Ruby Rust SQL/NoSQL Golang Java Swift C/Cpp PHP **JavaScript** HTML5/CSS3 TDD

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Terraform, Pulumi, CloudFormation, SparkleFormation, stack_master, Bash, Python, Ansible, Vagrant
EC2, ECS, EKS, S3, RDS, SQS, SNS, ELB, CLB, ASG, SG, ECR. ~ Architect associate.
~RHCSA, ~CCNA, HDFS, Nginx, Apache, Tomcat, NFS, SMB, firewalld, Networking, dmesg, yum, apt, GCC, gdb, grub etc.
Windows Server, AD, LDAP, SMB, Workgroups, RegEdit, diskmgtm.msc, RDP, powershell etc.
CI/CD, build tools, auto-testing
CI/CD
Administration, user management, yaml specs, java specs, runners, repo management, stages, jobs, troubleshooting, bash etc.
runners, .gitlabci.yml pipelines, repo management, administration, deployment, secret management, administration, troubleshooting
jobs, bash, administration, groovy pipelines
workflow, runners, troubleshooting
Build tools, DevSecOps
Testing, security and Mock
UI/UX, e2e, design, functional, autotesting
Virtualization, container technologies, orchestration
Microservices, service mesh
ACL, k/v storage, rest curl post/get, python lib
multi-cluster multitenant multicloud k8s, kiali
kafka, sqs, redis
Programming
boto3, telethon (telegram lib), core python, async, flask, django, consul lib, sqlite, matplotlib etc.
RegExp, aws, sed, GNU utils, pipe, stdin/out, nano/vim, options etc.
Vagrant, gems, ruby on rails, sparkleformation dsl, jekyll
Cargo, rocket, core
Mariadb/mysql, Postgresql, Sharding, Write ahead log, replicas, MongoDB, Percona, Vitess, Schema normalizations
Spring, Hibernate, Java Core, Kotlin, javac, jre, jdk, Android SDK, Maven, Gradle, adb
Unity, xamarin
Xcode, NextStep, ios emulators, a bit of Objective-C
Visual Studio, boost, Qt
Legacy php4.6
Nodejs, Expressjs, Reactjs, Vuejs, Koajs, strapi, threejs
bootstrap4/5, foundation, less, sass, vanilla-css, html5
                                                                              Bio
                                                                         Career, education
Higher Education
Iona College
Computer Science BA, 2012-2014
MISIS
2010-2014, Specialist in Non-ferrous metals
STLCC
2010-2012, Associate
Courses and certifications
Done:
TOEFL
Working on:
AWS Certifications - Architect Associate, Architect Professional
Certified Kubernetes Administrator, Certified Kubernetes Developer
Beginning with the high school I started tinkering with backtrack (kali) linux and hacking and general computer stuff. I used to read journals on hacking and gaming, played
mmorpgs, setup my home networks, build pcs, tried hacking wifi networks and other basic stuff.
After College I wasn't sure what to do, I had no idea how things work. Even though I have had courses like OS, Architecture, OOP, Mobile devlopment and databases course, php,
java etc... However I did not see the big picture of things. I figured that since I liked linux since highschool I'd stick to that as a core value. I went to some job interviews for entry
level php dev and others but figured that that's not what I wanna do.
I was reading into tanenbaum's books, OS, Networks etc and I figured Samsung would be best fit for me at the time. I mean, android's practically linux, right? Also Samsung looks
fine on the resume as a first job. They hired me for my fluent english and interest in technology, however the position was not in the RnD, rather at the Business and Sales for CIS
department.
Samsung
It was fun time but not very fulfilling profession-wise. And the pay was low too. Nearest I got to command line at that time is when I was tinkering with monkeyrunner and adb to
play with configs for some side project my mentor had.
Meanwhile I was reading through articles and everything that I could put my hands on, Ruby on Rails was the hot thing at the time so I was trying to get good at that. Learned
about ORM, Active Records, scaffilding and other concepts but did not go past that. I did not understand how RoR works because it was so high level. I felt anxiety whenever I
was using it, all the stacktraces and stuff were really scary and stackoverflow wasn't as big as it is now. So I kept learning, re-learning stuff they were feeding me in College but
with my own spin on it. I worked at Samsung for 8 months and then went to another compoany to work for twice as big of a salary.
QA Sberbank
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After I dispatched Samsung and started working at Sberbank I understood that I am in a bad place. The environment was very toxic, people were even drinking strong alcohol at the job sometimes when someone had a birthday, going out to smoke all the time and the job looked interesting at first but the atmosphere and general bureaucracy took all the fun out of it. They were developing online banking web app 'sberbank-online' and it was quite interesting but quickly I felt that I am in a wrong place. I worked there for 3 months and then bailed to study properly and to find more fulfilling job. AMarkets RoR So I was learning the tech jargon and OOP and classes and what not, I mean re-learning the stuff I had in College, when I got an invitation to the AMarkets Forex company. They gave us some tests and asked us for some theory questions, typical questions that you hear on a entry-level interview, like what is OOP, why it exists, what are three principles (classic). So I passed that with flying flags but when the internship itself actually started I figured that I don't know a thing. And they weren't that good at teaching either. We had a group of interns that were tought RoR development by a sys-admin. And the anxiety also kicked in. So I figured I am doing something wrong and bailed yet again. Went home and studied some more. Played some dota and battlefield and studied some. Tanenbaum still was on me, Linux API Programming, some kernighan and ritchie. Linux System administration. Some python too, bash. Free online courses and materials etc. Junior SDET Virtuozzo - SDET Once I saw a job openning for Junior SDET at Virtuozzo, a company that develops it's own linux distro called (surprise) Virtuzzo. They even had their own container technology called OpenVZ. I figured they are never gonna hire me but I thought it's worth the shot. I was reading and learning as much as I could about everything, so when I came to the job interview and saw these guys my heart rate jumped and I was rumbling like crazy. I was talking nonsense about virtual memory and paging and MBRs and harddrives, block devices etc. I said that I am reading tanenbaums books and the guy asked what exactly did I like it in these books. I found nothing better than to say I like everything. I felt like that interview was a disaster but they still hired me nevertheless. It all was fine and dandy but I guess I am a rather greedy person as to the technologies and skills. While I was working on my main tasks me and my friends were tinkering with ethereum network, eth mining. Also I was getting into nodejs, it looked like a cool iteration of web framework after RoR. It had cool stuff with packaging and scaffolding from RoR but also introduced some if it's own perks. Going to Virtuozzo I figured I will be able to get rid of my anxiety and get to know all the nuts and bolts under the hood, on low leve. I wasn't wrong, I got what I wanted. I worked there for 1,5yrs and even though I wouldn't be able to write my own kernel in C, I got comfortable going up and down the stack investigating what went wrong. Some cool DevOps guys showed me how I could look into specifics of python, looking around CPython or going all around the libraries that a program uses and specific implementation of a some method that uses specific syscalls. I also re-learned the computer architecture with <u>NandToTetris</u> course. Kraftway

I decided to take some time off again and get into DevOpsy stuff more thoroughly. By the time I was quite fluent with python, react, nodejs, kubernetes, vagrant and also had some minor experience with AWS EC2. I figured I'll give it a shot. The tipping point was when I came to a job interview for a Senior SDET in a small open-space packed with people and rather unpleasant lady told me that I had no chance finding DevOps job cuz I had no formal experience before, it's when I thought "We'll have to see about that". Align Technology So once again I found some cool job opening that I thought I would have no chances getting into but guys were so happy with my linux and python skills that even though I had no previous experience working as a "DevOps engineer" they hired me as a regular (middle) DevOps. No x2 salary this time thought, but it was enough. I was on a team of people working on a microservice. Java developers, analysts, QA, PM etc. It was a rather simple microservice that required an RDS, S3 bucket, some SGs and API endpoint. I was an so-called "Embedded DevOps", meaning we had a core team that was developing core framework, typically consisting of bash/python wrapper code around terraform modules that would parametrize an environment, create EC2 instances and deploy Rancher1.6 Cattle there along with secondary tools like Consul, S3 buckets etc. I would also have my own wrapper around terraform that would deploy Java app and create app-specific aws resources. I worked there for over a year and figure it's time to move on to something more fun. I wanted to get into Core Team but things weren't exactly the way I wanted over there. I didn't like the idea of me supporting legacy ec2-based infra framework, I liked k8s way more. So I started looking for some options. CustomerTimes As discussed with my manager I was working on the core multicloud k8s-based environment that we planned to reuse for the clients of our company. I had implemented and finetuned some terraform modules for k8s like ECR, EKS, S3, state storage app-specific stuff, gitlabci pipeline that would test our terraform modules for aws, helped junior devops with module implementations for azure cloud, advised on the cloud architecture. However by the end of the third month another engineer that was working with one of the biggest clients the company had - amway - had left the company so they needed some one to put in his place so they decided to put me as the most experienced engineer in their team at the time. They were hosting SAP Hybris using just bare EC2 instances, the environment was quite toxic, the solutions were unreliable. They were using NFS servers installed to EC2 instances along with hybris and solr. The development servers would periodically go down due to memory leaks, developers would break things and blame devops. It wasn't something I expected when I went to work there. I tried to fix things beginning from communications inbetween the teams, ending with creating epics and giving tasks to the devops team lead, it was bizare. They even forgot to match the offered salary after first 3 months of work (probation period). I quickly burned out and figured that there's no point continuing. I blame the management. Company1 - Company2 - Company3 After that experience at CT I figured that I want to work with the US but I was hesitant to start the indiviual interpreneurship, hence I found a company that resels people to the west and they made me offer x2 previous salary. They said that I would have to work on one project first but then another one might be added if I do good. So after 2 weeks on one of the projects in the US based company, people-wise, I felt like I belong there. One of the engineers even said that it feels like I am from somewhere in

texas rather than in Russia. It was fun and the tasks were fine, a lot of legacy stuff though, like meteorjs, LAMP stacks and whatnot. I was quite happy working at that startup when came news from my russia-based employer. They wanted me to work on two different companies with different stacks, holding daily meetings at the same time, so I would have to

enhancing and expanding it incrementally. I don't like good ol' sys-admin like approach to devops where developers do their stuff and so-called "DevOps Engineers" do their CI/CD

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talk to two teams of engineers everyday simultaniously and supporting two projects. That would've meant almost 12-15 hrs of works daily which I figured would be too stressful

Right now I am looking for a startup or a company with a complicated tech stack to go full in. I like owning the project, the product, knowing all the pieces and details and

So after I got bored at Virtuozzo I figured I wanna go even more low-level. Once again they offered me 2x salary at new place. Now I was working as a Senior SDET developing a

Once again I found myself in a situation like the one I was in before at Sberbank. The environment was quite toxic, alcohol consumption at the work place wasn't something strange at that place. Topping the fact that they started postponment with the salary payments the second month together with me realizing that I don't wanna do QA at all

strategy for testing of a in-house built NVMe SSD block device that had ARM chips in it and was handling writes and reads of memory chips.

anymore I resigned.

and unproductive.

morozovme.com

So here I am in my pursuit of happinness.