



PETER SALNIKOV

AWS Architect & Cloud DevOps/SRE
CI/CD Automation Expert

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TECHNICAL SKILLS

Clouds Providers: Amazon Web Services, Oracle Cloud Infrastructure, Google Cloud Platform, Yandex.Ru Cloud, Mail.Ru Cloud, OpenShift Cloud

CI/CD: Collect & Plan Requirements, Fetch Code, Build App Modules, Test Automation, Release Versioning, Zero Downtime Automatic Deployment, Multiple Environments Operation, Application Monitoring & Alerting

Linux Fundamentals: Amazon Linux/Debian/Ubuntu/Alpine/RedHat/CentOS, Bash Scripting, Firewalls, Networking, Protocols TCP/UDP, PAM Security, Kernel Modules, Virtualization/KVM

Monitoring: AWS CloudWatch, Prometheus, Grafana, Elasticsearch/Kibana, FluentBit, Zabbix, Splunk

Load Balancing/Routing: AWS Network Load Balancer, AWS Application Load Balancer, HAProxy, Nginx, Traefik 1/2

Languages: Java, Python 2/3, Bash, NodeJS, Ruby, Go, C/C++

Tools: Pynt, Bundler, Rake, Maven, Gradle, Ant, Helm, Kustomize, Npm

Continuous Integration: TravisCI, CircleCI, AWS CodePipeline/CodeBuild/CodeDeploy, Jenkins, TeamCity, Bamboo, Drone, Shippable, GitlabCI

Continuous Deployment: Chaos Engineering, Chaos Monkey, Kube Monkey, Green/Blue Deployment, Canary Releases, Zero Downtime Deployments, Rolling Updates

Configuration Management: Terraform, CloudFormation, Ansible, Docker, Vagrant, Puppet, Chef

Data: MySQL/PostgreSQL, Aurora, Redis, MongoDB, Elasticsearch, DynamoDB, Cassandra, Kafka/Zookeeper, Redis

Professional Profile

- Design and implementation of infrastructure solutions of any complexity -16+ years
- Clouds-practitioner – all cloud providers in the world
- Kubernetes-practitioner: development, implementation and training
- Implementation of full cycle CI/CD practices
- Information security of IT-systems
- Implementation of cost-effective IT-solutions
- Business continuity management
- Introduction of modern frameworks, tools and technologies
- Agile practices: Scrum, Kanban
- Manage cross-functional and remote teams of up to 50 people
- Speaker of Russian and international DevOps conferences
- 30 + projects on Upwork
- 7500 + hours Remote work: UpWork, Freelance, CodeMentor, Direct Contracts
- English (including technical) - C2
- Psychoanalyst

EXPERIENCE

Self-Employed / UpWork

Freelancer – AWS / Kubernetes DevOps Expert

Moscow, Russia — October 2015 – Present

05 – 10. 2019 – Honeywell - Movilizer - www.movilizer.com, Germany

Results:

- In 2 days in a single person eliminated the complete failure of the industrial system, preventing the economic costs of payments to customers in the amount of 100 million euros
 - * Migrated the old version of the company's infrastructure to the new one
 - * Reduced software update and system maintenance time by 50%
 - * Installed 800+ virtual machines with different versions of OPS modules of active and passive security mechanisms, automating everything as much as possible in 2 weeks, and also developed and installed the scheme of future automatic updating of these modules
- Technology stack:** AWS, Terraform, Ansible, Kubernetes, Cassandra, Kafka, Zookeeper, Traefik, Drone, Packer, Jenkins, AWS SSM

03. 2017-present. - EXR-real estate Agency №1 in New York www.exrny.com, USA

Results:

- Completed the migration of their website with VPS hosting on Amazon Web Services
- Fully automated CI/CD chain
- From 2017 the system is operating without failure or down times at 100%
- Implemented green/blue zero down-time deployment process for releases
- User traffic increased by 400%, the Agency was ahead of competitors by 10 positions and became the leader in the real estate market in New York during the year
- At the current stage, migrating their system to Kubernetes, the project is moving towards a microservice architecture
- 1M square feet leased in Brooklyn & Bronx
- \$25M payments processed
- \$100M Property Sales

Technology stack: AWS: ECS, EKS, RDS PostgreSQL, CloudFormation, Lambda, Lambda@Edge, CodePipeline, CodeBuild, CodeDeploy, S3, CloudFront, CloudWatch, Organization Multi Accounts, Boto3. CI/CD: TravisCI, Python, Boto3, Packer, Docker

2018-2019- Exwal-cryptocurrency management Service, www.exwal.com, UK London

Results:

- Dev: Run DevOps tasks of the project
- AWS: AWS Infrastructure As Code, eliminated manual work in the console by 100%
- CI: TravisCI based CI/CD pipeline (full cycle)

Technology stack: AWS: ECS, EKS, RDS PostgreSQL, DynamoDB, RDS PostgreSQL, CloudFormation, Lambda, Lambda@Edge, CodePipeline, CodeBuild, CodeDeploy, S3, CloudFront, CloudWatch, Organization Multi Accounts, Boto3. CI/CD: TravisCI, Python, Boto3, Packer, Docker

PERFORMANCES AWARDS

- Russian Amazon Web Services Meetup Co-Organizer
- Agile Kitchen: AWS for Startups, Enterprise Application - monitoring and tracing
- 1st place winner in Intel ISEF - Russian Final Junior'01 Fair
- 2nd place winner in Intel ISEF - Russian Final Junior'01 Fair

EDUCATION

- 2001-2007 -National research nuclear University MPhI, Department of Information Security, software engineer
- Additional education:**
- Spoken & Writing English – the British Council in Moscow
 - Business English / Spoken English – Russian Diplomacy Academy
 - 6 years of individual psychoanalysis by a certified Psychoanalyst, Board Member of the European Confederation of Psychoanalytic Psychotherapies
 - 6 years of study in a group-Group Psychoanalysis at the Moscow Institute of psychoanalysis

2017 -2018 - Autoapp-aggregator of auto services, www.avtoapp.ru, Moscow

Results:

- Designed from the ground up the project by recruiting a team of freelancers, working directly between business owners and technicians
- Implemented the technical part of the project from scratch to a working prototype
- Designed and implemented the entire project infrastructure on the AWS platform
- CI / CD pipeline
- After blocking Telegram, he carried out a full migration of the entire infrastructure to the Yandex cloud and was engaged in maintaining and expanding the infrastructure

Technology stack: AWS: ECS, EKS, CloudFormation, Lambda, Lambda@Edge, CodePipeline, CodeBuild, CodeDeploy, S3, CloudFront, CloudWatch, Organization Multi Accounts, Boto3. CI/CD: TravisCI, Python, Boto3, Packer, Docker. YandexCloud: Kuberentes, LoadBalancing, Managed Postgres

2016-2017-LetsDoThis-world aggregator of sports events, www.letsdothis.com, US and UK

Results:

- Investigated the team request: «We have the first working version running locally, make us so that it works in the cloud and we have multiple working environments and the main product environment»
- Result: created an infrastructure as a code on AWS, implemented full CI / CD conveyor, monitoring of the entire system and trained the team on the principles of working with the cloud

Technology stack: AWS: ECS, EKS, RDS PostgreSQL, CloudFormation, Lambda, Lambda@Edge, CodePipeline, CodeBuild, CodeDeploy, S3, CloudFront, CloudWatch, Organization Multi Accounts, Boto3. CI/CD: TravisCI, Python, Boto3, Packer, Docker

MegaFon

Backend Software Architect & DevOps

Moscow, Russia — September 2012 – September 2015

Tasks:

- For 1.5 years, he developed and put into operation from scratch a personal account application for MegaFon subscribers (Web and mobile for iOS, Android, Microsoft Mobile): from concept to team recruitment and training, development, design, installation and maintenance of the system
- In a single person implemented the entire chain of DevOps approaches for teams and applications
- Launched in 3 months a ready-made new version of the personal account throughout Russia
- Developed an OpenSource tool. Details here:
<https://habr.com/ru/company/megafon/blog/151061/>
<https://github.com/MegafonWebLab>

Technology stack: Java, Spring, Linux, Ansible, NoSQL (MongoDB), Docker, Docker Swarm, Unit testing, Integration testing, JVM Profiling (Memory+CPU), Maven/Gradle, ELK (elasticsearch+logstash+kibana), RabbitMQ, Selenium, Cucumber

Solved the technological challenges:

- Single API for all access channels: web, mobile applications, IVR, MegaFon online store, main company website, third-party applications
- Full cycle of CI/CD application build and installation automation (git hooks, teamcity, jira, maven, ansible, docker)
- End-to-end collection of logs/events from the moment of the user's request to the internal systems of the company (billing, advertising base, etc)

Solved business problems:

- Provided seamless integration of the personal account with all other online services MegaFon, including the main website and online store. Implemented Single-Sign-On principles for all public MegaFon websites.
- Reduced the number of calls to the call center by 400 times, reducing costs by 90% on the PHOT of the call center, giving subscribers wide and convenient opportunities to manage their tariff plan and its options through a diverse number of interfaces: web, mobile phones, IVR call
- Created a personal account, which is functional / convenience / design ahead of competitors Beeline and MTS for several years
- Received many awards and ratings for mobile applications" Personal account " MegaFon for iOS and Android-recognized as the best of the best according to the study of the Russian quality system (Roskachestvo). - August 2019 - https://corp.megafon.ru/press/news/federalnye_novosti/20190808-1138.html
- More than 50% increased the number of users of the application and traffic to the site Detailed results here: <https://corp.megafon.ru/press/nagrady/20160621-1808.html>

BSC Moscow

Java Software Architect & Java Team Lead

Moscow, Russia — January 2006 – September 2012

- Implemented software for banks: Alpha Bank, Home Credit, Raiffeisen Bank, Tinkoff, BKS
- As an Architect, trained his team, conducted internal seminars, implemented Agile practices and Scrum methodologies
- Conducted load testing of systems on industrial banking environments (HP Unix SuperDome). Have debugged the cluster systems IBM WebSphere, BEA WebLogic

Technology stack: J2EE, IBM WebSphere 5.1, JBoss 3/4, EJB 2.1, WebServices (Axis), Hibernate 2, Castor, xDoclet, Workflow Engine (BPM WorkPoint), Oracle 9i, Ant, Maven, Subversion)

For Alfa-Bank:

- In total, Alfa Bank has installed more than 10 different major solutions: AlfaClick, AlfaMobile, AlfaCorporate, AlfaCarLoans, AlfaMortgages, AlfaRetail, AlfaMiniBranches, Business process automation and software, AlfaSmsBank, Loans Scoring Subsystem, External Brokers Integration
- Designed and developed a new product - back office management in Bank branches and implemented in all branches of Russia-the Software works to this day. The software was purchased by the Bank together with the license and part of the team

Tinkoff Bank:

- In 2011, he introduced the Internet banking system. The installed system worked for 3 years and was replaced with an in-house solution. https://ru.wikipedia.org/wiki/%D0%A2%D0%B8%D0%BD%D1%8C%D0%BA%D0%BE%D1%84%D1%84_%D0%B1%D0%B0%D0%BD%D0%BA#cite_note-mobile-banki-51 in 2011, Tinkoff Credit Systems introduced mobile banking for smartphones with iOS and Android operating systems (a version for Windows 8 appeared a year later). [51] [52]