

Stan Bogatkin - Principal DevOps Engineer

Short summary

DevOps engineer with more than 10 years of systems delivery experience, which includes

- Experience with deployment and migration in heterogeneous environments
- Development key application tools for system deployment and life cycle management
- Planning and delivery of solid cloud solutions for 500+ nodes

Skills and Awards:

- *Network core:* proficient knowledge of TCP/IP stack
- *Security core:* Firewall, IPSEC/VPN, SSL/TLS, RB/Mandatory access controls
- *Cloud proficient:* OpenStack (most of the key services up to current versions), AWS, common broker messaging – RabbitMQ, Oslo messaging, Google App Engine (BigTable, Memcache API, Firebase), MS Azure, Docker (with Compose and Swarm)
- *Monitoring and logging:* rsyslog, Nagios, CollectD, Prometheus, Sensu, Grafana, Elasticsearch/Logstash/Kibana/Graylog
- *Time-Series Dbs:* Graphite (whisper), Prometheus Carbon, TimescaleDB, VictoriaMetrics
- *Clouds experience:* OpenStack, Azure, AWS
- *Container-related tools:* Docker, Podman, Kubernetes
- *Linux core expertise:* network stack, FS, kernel tracing, automating, monitoring etc.
- *Provisioning and deploy:* Puppet, Ansible, MaaS, Fuel
- *Development:*
 - Python 2/3 and frameworks (Flask, SQLAlchemy etc.)
 - Java Core, Android-related Java frameworks and libraries (Dagger, Rx, ButterKnife, GSON/Jackson, Okio/OkHttp, Retrofit)
 - Ruby DSLs
 - Shell scripting
- *Software Design:* Design patterns, Architectural patterns (CLEAN, VIPER, MVP etc.);
- *Software Engineering Management:* JIRA, Trello, Slack, Confluence
- *CI/CD and tools:* Jenkins, TravisCI, CircleCI, Gitlab, BitBucket, plain Git
- *Spoken Languages:* English, Russian;

Work experience

November 2019 - Current: DevOps, CoderShip

Where to look at: <https://galeracluster.com>

Customer: Internal company services

Team Size: 1-10

Project Role: Infrastructure Engineer, QA Engineer *Daily routine:*

- Migrate from old deployment system to automated new one
- Ensure automation for testing, packaging and deployment of upstream MySQL/Galera
- Support and develop existing CI/CD system
- Implement new infrastructure features

June 2017 - Current: Senior Reliability Engineer, GoDaddy

Where to look at: <https://www.godaddy.com>

Customer: Internal company services

Team Size: 10-20

Project Role: Senior Reliability Engineer

Daily routine:

- Create and improve internal cloud services

- Maintain existing internal cloud

Tasks Performed:

- Developed internal servers capacity extraction tool
- Developed internal capacity exhaustion prediction tool
- Improved ElasticSearch Kibana Dashboards to look at servers capacity and trends
- Created automated key rotation mechanism for Vault-encrypted files
- Created automation jobs to extract clusters info from OpenStack API
- Upgraded existing Kolla repos to upstream while saved downstream work
- Gradually onboard several new team members from zero to hero
- Developed automatic tooling to issue TLS keypairs via different sources

June 2017 - Current: Senior Reliability Engineer, Oom.ag

Where to look at: <https://oom.ag/>

Customer: Internal company services

Team Size: 1-10

Project Role: SRE

Daily routine:

- Automate company and external customers projects
- Working with external auditors to implement better security
- Ensure CI/CD ptocess for all company projects
- Work on monitoring improvements

Tasks Performed:

- Created CI/CD system based on TravisCI/AWS CodePipeline
- Created automated monitoring and support of internal infrastructure services – hundreds of metrics per minute
- Fully automated infrastructure changes deployment based on Ansible stack
- Maintain deployment tools as simple as possible, help developers to learn Ops stuff
- Implemented PCI DSS requirements to pass external audit

June 2017 - Current: Senior Reliability Engineer, 360tv

Where to look at: <https://360tv.ru/>

Customer: Internal company services

Team Size: 1-10

Project Role: SRE

Daily routine:

- Constantly improve existing company infrastructure tooling
- Help dev team to implement better solutions

Tasks Performed:

- Created CI/CD system based on Jenkins
- Created automated monitoring and support of internal infrastructure services
- Automated infrastructure changes deployment based on Ansible stack
- Created backup system for tens of DBs and more than 500Gb files
- Maintain most popular TV website of Moscow Region
- Implemented internal solution to work with git repositories
- Implemented and maintain infrastructure for more than 10 external projects

June 2017 - November 2018: DevOps, Billionapp

Customer: Internal company services

Team Size: 1-10

Project Role: DevOps

Tasks Performed:

- Created CI/CD system based on Jenkins from scratch
- Created semi-automated monitoring and support of internal infrastructure services – Jira, BitBucket, Confluence, Mail services
- Dramatically increased time to deliver company services to production – from weeks to hours
- Fully automated infrastructure changes deployment based on Ansible stack
- Moved all company services from Docker Swarm to Kubernetes

June 2014 - May 2017: Senior Deployment Engineer, Mirantis

Where to look at: <https://www.mirantis.com>

Customer: As a key deployment engineer worked for all company customers cloud-related projects

Project: Fuel – the biggest and most powerful official OpenStack deployment tool

Team Size: 50-200

Project Role: Senior Deployment Engineer

Tasks performed:

- Developed Puppet manifests to deploy maintenance updates of Mirantis OpenStack cloud clusters
- Maintain deployment manifests of already shipped releases of Mirantis OpenStack
- Developed and backported a lot of patches for Mirantis OpenStack cloud components
- Developed full-fledged cloud product TLS security solution
- Developed fast and robust time sync cross-cluster solution
- Participate in developing internal cloud solution for fast deployment (speed up deployment time 5-10 times)
- As a core reviewer in Fuel Library project done product code reviews (1st product 2017 reviewer and 1st 2016/2017 Fuel-library core component reviewer by number of reviews done)
- Tools: Puppet, Python, Ruby, Git, OpenStack, S3, VMWare

2013 - June 2014: Principal engineer, PAO Armada (former RBC-Soft)

Where to look at: <http://pao-armada.ru/>

Project: GIS for planning, analyze and store government defense orders.

Team Size: 20-200

Project Role: Operational TeamLead

Tasks performed:

- Developed and integrated distributed software system for customer needs
- Developed technical documentation according to government standard
- Created internal IT support subsidiary for project needs

2011 - 2013: Engineer, M-Reason

Where to look at: <http://m-reason.com>

Project: Internal support

Team Size: 5

Project Role: L2 support/System administrator

Tasks performed:

- Restructured network solutions, created external VPN for all subsidiaries
- Created SSO and automated external software integration into it

2006 - 2011: Engineer, JSC Sigma

Project: Internal support

Team Size: 4

Project Role: L2 support/System administrator

Tasks performed:

- Unified network scheme across all company branches
- Develop and integrate corporate mail/antivirus/antispam solutions
- Created and supported mobile trading system for internal company needs

Education

Graduation Year: 2011

Name of the Education Establishment: Tambov State Technical University

Faculty/College: Informational systems

Degree (diploma): Master of Science (officially evaluated by Trustforce Corp.)

Specialty: Informational systems and technologies

Certifications:

Cisco: CCNA

TOEIC: 860

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