Andrey Snow

Software Engineer

Education

2007–2011	**B.S.**, *Siberian Federal University*, Krasnoyarsk, Russian Federation, *System Analysis, and Management*
2012–2014	**M.S.**, *Siberian Federal University*, Krasnoyarsk, Russian Federation, *System Analysis in Enterprise Management*
2009-2011	**English Classes**, *Santa Barbara City College*, Santa Barbara, CA

Technologies

Languages	Java, Ruby, Javascript, Objective C, Rust, Kotlin, Python
Frameworks	Spring MVC, Akka, Ruby On Rails, Cocoa, OTP, React (Native)
Op. systems	FreeBSD, GNU/Linux, macOS
Databases	PostgreSQL, Cassandra, MySQL, CouchDB, ElasticSearch
Cloud	Amazon Web Services, Kubernetes, Docker, Google Cloud Platform
Other	Salt, Nginx, LaTeX, ZSH, Nix

Languages

Russian	Native
English	Excellent

Relevant Coursework

Siberian Federal University

B.S.	Methods of optimizing staff schedule in retail stores
M.S.	Developing customer loyalty program in retail stores

Open Source

FreeBSD

- Port maintainer:
  - Various JetBrains IDEs
  - Various sysutils written in rust
  - Maintaning stable and nightly builds of Rust

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Rust

- Maintained stage0 of rustc for FreeBSD until automatic builds were implemented
- Maintained nightly builds for rustc and cargo for FreeBSD
- Integrated JUnit test reporter into built-in test harness
- Hoop
  - Fast ring buffer
- libZetta
  - Safe Rust interface to ZFS administrative tools
- uclicious
  - flexible little boilerplate configuration framework
  - idiomatic bindings to libucl
- cargo-suity
  - CI friendly JUnit reporter for cargo
- sumkin
  - K/V store and event-log built on top of SQLite

Experience

Dave Inc

2021–current **Senior DevOps Engineer**, *Dave Inc.*, Los Angeles, CA

- Responsibilities and Achievements:
  - Implemented developer access automation service (Rust, Jira)
  - Migrated CI/CD pipelines from CircleCI to Github Actions
  - Maintained self-hosted GHA runners with custom images
  - Implemented GitOps way to maintain infrastructure as a Code (Terraform, Atlantis)
- Technologies used: Google Cloud Platform, Kubernetes, Github Actions, Terraform, Rust.

Subspace Inc

2020–2021 **Senior DevOps Engineer**, *Subspace Inc.*, Los Angeles, CA

- Responsibilities and Achievements:
  - Deployed global network of time server appliances (Ansible, Linux)
  - Implemented perfomance monitoring dashboards for Erlang and Go applications (Prometheus, Elixir, Grafana)
  - Assisted in VM tunning for Elixir applications (Elixir)
  - Implemented cluster alerting mechanism (Prometheus, Grafana)
  - Maintained on-prem GitLab installation
- Technologies used: Google Cloud Platform, Kubernetes, GitLab, Terraform, Ansible.

FabFitFun Inc

2018–2020 **Senior Engineer**, *FabFitFun Inc.*, Los Angeles, CA

- o Responsibilities and Achievements:
  - Refactored local development environment with docker. (Make, Docker)
  - Refactored test suits to work with docker and Circle CI. (Docker)
  - Implemented pipeline to generate seed data for local development environment. (Docker, MySQL, sh, Make)
  - Managing custom IAM roles and policies. (AWS)
  - Responsible for CI/CD pipeline development and maintenance. (Jenkins, Kubernetes, Argo)
  - Implemented "infrastructure as a code" for all environments. (Terraform, Vault)
- o Technologies used: MySQL, Amazon Web Services, Kubernetes, Jenkins, Terraform.

Flipagram

2013–2018 **Senior Backend Engineer**, *Flipagram*, Los Angeles, CA

- o Responsibilities and Achievements:
  - Development of internal administrative tools for social network. (Java, Ruby, PostgreSQL)
  - Supporting mobile client teams by implementing features on backend. (Java, PostgreSQL)
  - Reposible for internal music catalog infrastructure development and maintenance. (Java, PostgreSQL, Spark)
  - Administrative interface to internal music catalog. (Ruby, Java)
  - Engineered ingestion pipeline for internal music catalog with support for multiple content providers. (Spring Batch, Spark)
  - Engineered content policy engine to be compliant with music licenses. (Java, ZooKeeper)
- o Technologies used: Spring MVC, Ruby on Rails, Cassandra, Amazon Web Services, Docker
- o Worked on: Platform Backend, Internal Admin Tools, Content Moderation System, Music Platform Backend
- o Other Responsibilities: Running daily standups

Cheerful Inc.

2012–2013 **Full Stack Engineer**, *Cheerful Inc.*, Culver City, CA

- o Technologies used: Spring MVC, Python, CocoaTouch, Amazon Web Services
- o Worked on: Front end, Internal Admin Tools, iOS application
- o Responsibilities:
  - Development of internal administrative tools for social network. (Python, Java, MongoDB)
  - Turning PSDs into actual web pages. (Python, Javascript)
  - Making front-end work in all browsers (even Internet Explorer 7) (Javascript)

KF Sinrah

2007–2009 **Director of IT**, *KF Sinrah*, Krasnoyarsk, Russian Federation
IT Consulting

Freelance

2009–2017 **Software Developer**, *Freelansim*

Projects

2012–2013 **RADOS Monitoring**, *iOS application*, Tablet application for mining equipment monitoring service

Development of mobile dashboard and administrative interface for iOS devices.

2011–2013 **Sibrados**, *Management, and analytics system for mining equipment*

Development of complex monitoring solution for mining equipment.

- Responsibilities:
  - Setup up local network infrastructure and servers. (Chef, FreeBSD, IPSec)
  - Oversee development of embedded monitor nodes. (C, FreeBSD)
  - Design and implement field data collection system. (C, Erlang)
- Technologies used:
  - Backend: Spring MVC, Riak, PostgreSQL, Java, ElasticSearch, RabbitMQ, DTrace
  - Monitoring node: Embedded C, Erlang (field data collector)
  - Administrative interface and dashboard: Ruby on Rails, Backbone.js, D3.js

2010–2011 **Razvivaika**, *iOS Game*, Russian alphabet game for kids

http:/itunes.apple.com/us/app/id405879674?mt=8

- Technologies used:
  - Objective-C, CocoaTouch

2012 **SibRados**, *Corporate Website*, http://sibrados.com

Ruby on Rails