

# Andrey Cherkashin

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*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,  $\text{\LaTeX}$ , ZSH

## 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

## Rust

- Maintained stage0 of rustc until automatic builds were implemented
- Hoop
  - Fast ring buffer
- libZetta
  - Safe Rust interface to ZFS administrative tools
- cargo-suity
  - CI friendly JUnit reporter for cargo

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## Experience

### FabFitFun Inc

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

- 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)
- Technologies used: MySQL, Amazon Web Services, Kubernetes, Jenkins, Terraform.

### Flipagram

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

- 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)
  - Repesible 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)
- Technologies used: Spring MVC, Ruby on Rails, Cassandra, Amazon Web Services, Docker
- Worked on: Platform Backend, Internal Admin Tools, Content Moderation System, Music Platform Backend
- Other Responsibilities: Running daily standups

### Cheerful Inc.

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

- Technologies used: Spring MVC, Python, CocoaTouch, Amazon Web Services
- Worked on: Front end, Internal Admin Tools, iOS application
- 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

### Vocational

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