

Andrey Cherkashin

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

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

- o 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

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)
 - Responsible 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