## Mike Belyakov

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 GitAwards
 CodersRank

Link to actual version
of this CV

## PROFESSIONAL SUMMARY

As an experienced Site Reliability Engineer and Back-End Engineer with over 20 years in IT development, I bring a wealth of knowledge and expertise to any project. I am a certified Google Cloud Architect and am passionate about working with Kubernetes and automating tasks to streamline processes. My Github account is in the top 1% of all Ruby accounts on GitAwards, and I am a polyglot programmer who is always eager to learn new technologies. While my recent focus has been on Ruby and JS, I am also curious about exploring Go. As a problem solver, I am highly result-oriented and self-motivated, and I am comfortable working remotely with teammates. I believe in delivering quality work that exceeds expectations, and I am excited about the opportunity to bring my skills to your organization.

## SKILLS

### Languages

★★★★★ **Ruby, Bash**

★★★★ **GO, JavaScript**

★★★ **PHP, C#, 1C7, 1C8, Pascal, Delphi, Basic, Assembler**

### Everyday use tools

|  |  |  |
|---|---|---|
|  Kubernetes |  Ruby on Rails |  Jira |
|  Minikube |  PostgreSQL |  Agile |
|  GKE (Google cloud) |  Redis |  Scrum |
|  Docker-compose |  Sidekiq |  Design Sprints |
|  Docker |  Bundler |  MacOs |
|  Helm |  Asdf |  Linux |
|  Gitlab |  Travis |  |
|  Github |  Sentry |  |
| git Git |  Dredd (DDD) |  |
|  Bash, Zsh |  RSpec (TDD) |  |

### Other technologies & tools

AWS, ActiveAdmin, Ancible, Apache, BDD, Backbone, BB-Marionette, Bootstrap, Bower, Capistrano, Chef, CoffeeScript, DigitalOcean, Drone, Elasticsearch, Foreman, JWT, Grafana, GraphQ, Grunt, Guard, Gulp, Heroku, InfluxDB, JQuery, Jekyll, Jenkins, Liquid, Lokum, Memcached, MongoDB, Monit, MySQL, New Relic, Nginx, Npm, Packer, PivotalTracker, RailsAdmin, Rancher, React, Sinatra, Skeleton, Spree, TDD, Terraform, TestKitchen, Trello, Vagrant, Vue, Webpack, Yarn

## CERTIFICATION

Google cloud certified professional cloud architect, 2020

Certified Kubernetes Application Developer (CKAD), 2020

## EMPLOYMENTS

### Site reliability engineer

UK, Jersey — July 2019 - current
I am working on GCP cloud, with k8s (GKE) on a high-load site with a few dozen

company and external services.

- ✓ Maintained infrastructure as a code
- ✓ Moved (or created from scratch) CI/CD to GCP cloudBuild from different providers
- ✓ Rebuild EFK cluster
- ✓ Bumped Ruby/Rails projects versions
- ✓ Created skaffold scripts for simpler deployment
- ✓ Built minikube boilerplate for local development
- ✓ Extracted high load code to golang micro services
- ✓ Optimised some high load ruby code to achieve 100x more CPU efficiency
- ✓ WIP on MySQL cluster seamless upgrade

### Self improvement

Braga, Portugal — March 2019 - July 2019

After previous role I found a few topics which I want to cover better plus there are a few ideas for new projects, which will be cool to make. Here you can find the progress of these:

- ✓ Algorithms course from Codility. link
- ✓ DevOps advanced practics and instruments course.
- ✓ DDD practics with Rails.
- ✓ "Mastering kubernetes 2nd edition" book.
- ✓ "Go programming language" book.
- ✓ Kubernates advanced course.
- ✓ ActiveModel storing Validations improvements gem.
- ✓ Write articles about code organizing hacks.

### Software Architect

USA, IL, remote — September 2018 to February 2019

Microservice based distributed architecture. Docker/Container based serverless development, based on GKE and minikube (for the development). Main language: Ruby (Ruby on Rails framework).

- ✓ Refactored codebase and reduced average response time by 20%
- ✓ Refactored codebase by removing about 10% of codebase while keeping the behaviour.
- ✓ Reduced number of bugs and improved code documentation.
- ✓ Implemented some architectural improvements, design solutions and integration solutions.
- ✓ Architect and develop from scratch new company project.
- ✓ Interviewed a few dozens of candidates to find the best for the team.

### Senior Software Engineer

Braga, Portugal — May 2018 to September 2018

Microservice based distributed architecture. TDD/BDD with Jest. Deployed to AWS with Drone CD/CI (Docker/Container based). Main language: JS (NodeJS with KOA framework).

- ✓ Developed cryptocurrency exchange.
- ✓ Refactored codebase by removing about 10% of codebase while keeping the behaviour.
- ✓ Extracted code to brand new services to increase core reusability and team performance.
- ✓ Reduced number of bugs and improved code documentation.
- ✓ Implemented some architectural improvements, design solutions and integration solutions.
- ✓ Improved CI scripts to increase tests pass rate by 20% while providing better feedback to the developer.

### Senior Software Engineer

Monolith architecture. TDD with Minitest, BDD with Capybara. Custom deploy scripts to own bare servers with Jenkins CI. Only the development process was Dockerized.

Main language: Ruby (Ruby on Rails framework).

- ✅ Migrated large Rails 3.x code base to Rails 5 and rewrote confusing and under-documented parts.
- ✅ Removed more than 10 vulnerabilities (like CSRF, SQL injection, stack overflow and others).
- ✅ Reduced memory load (for 15%) and CPU consumption in production by removing duplicate dependencies.
- ✅ Updated and fixed existing software and system applications.
- ✅ Collaborated with team members to create application's system analysis based on a client requirements.
- ✅ Introduced some hacks, which reduced tests pass time by 50%.
- ✅ Fixed lot's of unstable tests in the test suite of 20k+ tests.
- ✅ Improved CI.
- ✅ Moved development process to Docker.

### Senior Software Engineer

Valencia, Spain, remote — June 2016 to September 2017

Distributed architecture was based on microservices, I supported 3 of them. TDD with Rspec. Deployed to own servers with Capistrano then with GitLab CD/CI (Docker/Container based) on Rancher. Main language: Ruby (Ruby on Rails framework).

- ✅ Supported a few internal micro-services, which helped to orchestrate more than 300 servers for video-streaming services.
- ✅ Automatized company code style guide.
- ✅ Added CD/CI with Gitlab and moved develop cycle to Docker with further connection with Rancher.
- ✅ Improved test coverage significantly.
- ✅ Developed and supported existing internal CLI tools for Bash and ZSH.
- ✅ Created and extended new CLI tools for SSH usage.
- ✅ Added Chef recipes and introduced chef roles testing with remote environment over VPN.

### Senior Software Engineer

Ijevsk, Russia, remote — September 2015 to September 2016

Monolit architecture. TDD with Rspec, BDD with Capybara. Capistrano deploy scripts to PaaS (Heroku/Locum). Main language: Ruby (Sinatra/Ruby on Rails framework).

- ✅ Worked from idea to deployment.
- ✅ Created CRM system from scratch with about 100 model and with code quality of more than 97 by Rybycritic
- ✅ Consulted regularly with customers on project status, proposals and technical issues.
- ✅ Collaborated with team members to create applications system analysis based upon client requirements.

### Software Engineer

Russia, Thailand, Cambodia, Indonesia, etc., remote — November 2012 to August 2015

Several 1C:Enterprise projects with monolit architecture. Languages: 1C8, SQL, PHP, Ruby. Development OS: Windows, Server OS: Windows or Linux.

- ✅ Created new data structures and reports to cover business rules.
- ✅ Automated connection with other software (including software from IRS).
- ✅ Automated DB maintenance.
- ✅ Moved some clients to thin clients (with moving all infrastructure), pun intended.

### System Architect & CTO

Pskov, Russia — August 2007 to November 2012

Few 1C:Enterprise projects with monolit architecture. Languages: 1C8, SQL.

Development OS: Windows, Server OS: Windows.

- ✓ Rebuilt all paperwork in collaboration with financial director and represented it in CRM system.
- ✓ Ruled the team of 6 engineers.
- ✓ Automated paperwork, which allowed to reduce the number of staff by 15%.
- ✓ Created and maintained information processing cluster with RDP connections.
- ✓ Solved network bandwidth limitation problem, moved users to thin clients, which reduced cost of the working place and support.
- ✓ Automated connection with other software (including software from IRS).
- ✓ Automated DB backups and maintenance.

### 1C Developer & SystemArchitect

Pskov, Russia  —  January 2005 to August 2007

Few 1C:Enterprise projects with monolit architecture. Languages: 1C7, 1C8, SQL.

Development OS: Windows, Server OS: Windows, Linux.

- ✓ Architect 100+ user LAN from workgroup of 20 users.
- ✓ Installed and supported mini-ATC telephone system for 40 internal lines.
- ✓ Maintained 8 different accounting databases ( some of them I to created from scratch) with different structure.
- ✓ Supported remote company branches over dial-up, VPN.
- ✓ Created and maintained wired scripts for amortization of different financial transactions, which significantly increased efficiency of collaborators.
- ✓ Automated connection with other software (including software from IRS).
- ✓ Automated DB backups and maintenance.

### System Administrator

Pskov, Russia  —  November 2003 to August 2004

- ✓ Administrated distributed network with low throughput networking.
- ✓ Upgraded and repaired environment hardware.
- ✓ Maintained and installed mini-ATC.
- ✓ Supported UBIS products, mostly with remote access.
- ✓ Wrote automation scripts for Windows and Linux systems.

### Junior Delphi Developer

Pskov, Russia  —  May 2003 to August 2003

- ✓ Supported existed products.
- ✓ Upgraded and repaired environment hardware.
- ✓ Wrote automation scripts for Windows systems.

### Junior Engineer

Pskov, Russia  —  February 1999 to August 2000

- ✓ Assembled computers and installed OS.
- ✓ Repaired broken PC and computer parts.

## VOLUNTEER EXPERIENCES

IT technical support of "Encyclopedia of Pskov" (ISBN 5-901374-01-0) book editors

team and accounting team, 2004-2008

IT technical support of "Teatre of a word" in Pskov, 2007-2011

## EDUCATION

### Bachelor's Degree in Computer Science

Pskov Volny University  @ Pskov, Russia  —  2000 to 2006

## HOBBIES

Crafting smart-home, chess, travel, gym.