

Mikhail Klimenko

Software Engineer



- 📍 Location: Ozersk, Chelyabinsk region, Russia
- 🕒 UTC+5
- ✉ Email: m@klimenko.site
- 📖 Blog: blog.klimenko.site
- 🌐 LinkedIn: <https://www.linkedin.com/in/michaelklimenko>
- 🐙 GitHub: <https://github.com/michaelkl/>

Enthusiastic software developer with Engineers Degree in computer systems software and 21 years of hands-on experience in developing comprehensive software projects including 8 years of Ruby backend development. A detail-oriented team player with excellent analytical skills and a passion to keep things in order.

Main Skills

Ruby	PostgreSQL	Ruby on Rails	Git	Kibana
Python	MySQL	Sidekiq/Resque	Docker	Sentry
JavaScript	RabbitMQ	Rspec	Kubernetes	Prometheus
SQL	Redis	FastAPI	ArgoCD	Grafana
HTML/CSS	Elasticsearch	Flask	Gitlab	DataDog
REST	Clickhouse	Node.js	Bitbucket	Azure AppInsights
JSON		React	Azure	NewRelic
		jQuery	GCP	
			CI/CD	
			CircleCI	
			Heroku	
			Jira	

Education

Engineer's Degree at specialty "The software of computer aids and automated systems"
Moscow Engineering Physics Institute, Russia

Experience

- since 2023-07** **Machine Learning software and infrastructure engineer**
PressReader (Vancouver, Canada, remote)
Premium newspapers and magazines delivered on your digital device globally
- As a solo developer dived into legacy event-based content processing machine learning pipeline, reworked CI/CD for a new cloud platform, rejuvenated development procedures
 - Designed scalable infrastructure for massive content reprocessing events using microservices, Kubernetes scaled jobs, Argo Workflows
 - Detected bottlenecks, optimized performance and memory consumption by active usage of asynchronous processing and data streaming, and reduced infrastructure expenses
- 2021-03 – 2023-07** **Ruby on Rails Developer**
EvidentPoint (Vancouver, Canada, remote)
E-Reading, e-learning and digital publishing provider
- As a backend developer and, later, a technical lead, was a part of a cross-functional team on designing and implementing e-learning portal
 - Making use of third-party service to implement workbooks reading and testing functionality for teachers and students
 - Implement learning management systems integration via LTI protocol
 - Drive the initiative on incremental overhaul of the legacy parts of the product using Ruby on Rails and React combination
 - Advocated and implemented a comprehensive Bitbucket Pipelines for continuous integration with code verification unittest and end-to-end autotests execution, and deployment process to allow automation of previously manually done procedures
 - Finding bottlenecks and improving backend performance from optimizing SQL queries and eliminating N+1 requests to implementing caching with up to 75% response time decrease
- 2019-09 – 2021-03** **Ruby on Rails Developer**
Moteefe via Meyvn Digital (London, UK, remote)

The Global award-winning Print-on-demand platform for e-commerce

- Worked with a cross-functional globally-distributed team of 20+ people: frontend and backend engineers, designers, QA
- Developed new features from planning and analyzing a solution to production deployment strategies
- Detected and worked on resolving bottlenecks and performance issues
- Implemented bindings for sending emails using external service
- Mentored and onboarded people, collaborated in a team and across different teams
- Smoothed CI/CD processes by fixing flaky tests, implementing automated styleguide checks and git hooks
- Implemented an auto-generated OpenAPI documentation with request tests running against it

2016-10 – Ruby on Rails Developer

2019-09 *Onlinetours.ru (Moscow, Russia, remote)*

The company provides tours searching services and resells tours from many providers leveraging in-house high-performance search engine solutions to regular customers, independent agents, and professional agencies.

- Maintained legacy-rich Ruby on Rails monolith application with 80k+ LoC in a multi-tier software environment as a part of an agile fully-remote software team
- Daily use of Ruby on Rails, Roda, PostgreSQL, Elasticsearch, Redis, Clickhouse, RabbitMQ, Sidekiq, Docker, Kubernetes, Git
- Supported rich REST APIs for the internal and external user
- Ensured high code quality with RSpec tests, TDD and automatic documentation generation
- Constantly worked on overall project's reliability, performance, speed, and resources consumption reduction with extensive use of tools like Kibana, NewRelic, Honeybadger, Sentry, Prometheus
- Planned, designed and implemented new features and services for clients and partners in close cooperation with stakeholders
- Helped other team members by mentoring junior developers, sharing knowledge and reviewing pull requests
- Created open source QiwiPay payment service bindings for Ruby (qiwi-pay gem (<https://rubygems.org/gems/qiwi-pay>)) and some more open source gems

2016 Freelance programmer (part-time, remote)

- Helped customer to plan and implemented new features of commercial real estate sale and rent bulletin board application
- Design and implement commercial vehicles lease and sale bulletin board application
- Use of Ruby on Rails, PostgreSQL, Elasticsearch, JavaScript, jQuery, Bootstrap

2015 Contractor programmer (part-time, remote)

Vesnik Information Systems Ltd, Nicosia, Cyprus

- Implement dynamic interface generation for ERP system
- Use of Delphi, DevExpress VCL, PostgreSQL

2004-10 – Instrumentation Systems Engineer

2016-10 *Federal State Unitary Enterprise "MAYAK" Production Association (Ozersk, Russia)*

The Federal State Unitary Enterprise manages a wide variety of chemical and nuclear production chains.

- Enhanced water pump station instrumentation system with interactive display and report abilities (Windows, MasterSCADA, Linux, HTML, JavaScript, jQuery)
- Simplified company's computer equipment accounting processes by developing specialized software (Windows, Delphi, SQL Server)
- Renovated nuclear facility's distributed instrumentation and alarm system's hardware and software (Linux, C++, Qt, Python, LINTER DBMS)

2003-08 – System administrator

2004-09 *South Ural State University (Ozersk, Russia)*

- Local area network and computer hardware maintenance
- Windows domain administration
- Linux-based internet access server administration

2002-09 – System administrator and web developer

2003-05 *Astra LLC (Ozersk, Russia)*

- Maintained high availability rates of dial-up services
- Web development (HTML, CSS, Perl, PHP)

Code samples and open-source contributions

- **qiwi-pay gem** (<https://github.com/OnlinetoursGit/qiwi-pay>)
- **DataDog's Rails integration enhancement** (<https://github.com/DataDog/dd-trace-rb/pull/1217>)
- **Dalli gem bugfix** (<https://github.com/petergoldstein/dalli/pull/728>)
- **Several fixes to clickhouse gem** (<https://github.com/archan937/clickhouse/pulls?q=is%3Apr+author%3Amichaelkl>)
- **RabbitMQ schema visualizer** (<https://github.com/michaelkl/rmq-schema-visualizer>)
- **yajl-rest – streaming JSON arrays parser** (<https://github.com/michaelkl/yajl-rest>)
- **formtastic-fake_input – fake input class for Formtastic** (https://github.com/michaelkl/formtastic-fake_input)
- **capistrano-delayed-job monit process groups support** (<https://github.com/capistrano-plugins/capistrano-delayed-job/pull/7>)
- **Several fixes to openSUSE Open Source Event Manager** (<https://github.com/openSUSE/osem/pulls?q=is%3Apr+author%3Amichaelkl>)
- **nanoc-gzip-filter edits** (<https://github.com/GregOnNet/nanoc-gzip-filter/pull/1>)
- **OpenStreetMap mapping** (<https://www.openstreetmap.org/user/michaelkl>)
- **Code Abbey profile** (http://www.codeabbey.com/index/user_profile/michaelkl)
- **HackerRank profile** (<https://www.hackerrank.com/michaelkl>)