Mikhail Klimenko
Software Engineer

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Enthusiastic software developer with Engineers Degree in computer systems software and 20 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	Bitbucket	DataDog
REST	Clickhouse	Node.js	Gitlab	Azure AppInsights
JSON	OpenSearch	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

• Successfully revitalized a legacy event-based content processing machine learning pipeline as a solo developer
• Overhauled the CI/CD processes and facilitated the migration from Google Cloud Platform (GCP) to Microsoft Azure
• Engineered a scalable infrastructure to manage large-scale content reprocessing events, utilizing microservices architecture with automated scaling capabilities to accommodate load increases of up to 100 times
• Implemented Kubernetes scaled jobs and orchestrated workflows using Argo Workflows
• Identified performance bottlenecks and enhanced performance and memory efficiency through the implementation of asynchronous processing and data streaming techniques
• Planned and designed a Kubernetes-based infrastructure focused on scalability and cost reduction
• Developed a proof-of-concept web application featuring a chat-like interface that incorporates the Retrieval Augmented Generation (RAG) method, showcasing innovative approaches to user interaction and data retrieval

2021-03 – 2023-07 — **Ruby on Rails Developer**
EvidentPoint (Vancouver, Canada, remote)
E-Reading, e-learning and digital publishing provider

• Contributed as a backend developer and later transitioned to a technical lead role within a cross-functional team focused on the design and implementation of an e-learning portal
• Leveraged third-party services (REST API) to develop workbooks reading, doing homeworks and testing workflows, enhancing the experience for both teachers and students
• Successfully integrated Learning Management Systems (LMS) using the Learning Tools Interoperability (LTI) protocol, facilitating seamless educational experiences

• Led initiatives for the incremental modernization of legacy components within the product, utilizing a combination of Ruby on Rails and React combination
• Advocated for and implemented a comprehensive Bitbucket Pipelines solution for continuous integration, incorporating code verification through unit tests, end-to-end automated testing, and streamlined deployment processes. This initiative automated previously manual procedures
• Identified performance bottlenecks in the backend, optimizing SQL queries, eliminating N+1 request issues, and implementing caching strategies that resulted in up to a 75% reduction in response times

2019-09 –   **Ruby on Rails Developer**
2021-03   *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

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)