ANDREW MIRONOV

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Senior Full Stack Developer

Work History

September 2018 - Present

DevOps Engineer / Lead Developer of the Platform Team

Heartland Retail (50 employees, web-based POS system)

- Led the migration to Docker and Kubernetes
- Built a Kubernetes platform from scratch with dedicated staging and production environments
- Created a CI pipeline in Buildkite for the staging and production environments
- Packaged the system components into 29+ Terraform modules and 4+ Helm charts
- Setup Datadog dashboards and alerts for infrastructure monitoring
- Migrated the development environment from Vagrant to 15 Docker services, and built tooling around that
- Implemented a platform for on-demand testing environments allowing developers to spin up an independent copy of the application in under 5 minutes
- Moved all clients from Rackspace to Kubernetes on AWS, and saving thousands of dollars in monthly infrastructure costs
- Introduced the RFC discussion process to gather team feedback before implementing features
- Extracted a loosely coupled internal service out of the monolith and designed a distributed event log with Redis Stream

Technologies: Redis, Kubernetes, Terraform, Helm.

May 2015 - September 2018

Senior Full Stack Developer

Heartland Retail (50 employees, web-based POS system)

- Independently developed dozens of new modules by analyzing the requirements and coming up with an integrated full-stack solution
- Extended the reporting system with several dimensions and metrics
- Integrated the application with Shopify enabling hundreds of clients to start selling online during the COVID-19 lockdown
- Connected the POS with Scraffic Traffic Counting services and QuickBooks accounting software
- Developed the Sales Plans, Layaway and Employee Timecards modules integrated with the reporting system

Technologies: React, JavaScript, TypeScript, Ruby, Sinatra, Rails, PostgreSQL.

Feb 2015 - Present

Full Stack Developer / Founder

Masterbot (RU) (1 employee, bot platform for Telegram)

- Spearheaded the chatbot revolution on Telegram
- Launched a chat marketing platform reaching 25,000+ of subscribers for the most popular Russian blogger, Ilya Varlamov
- Arranged a contract with a large Russian news media outlet, Moslenta
- Set up a marketing solution for a popular collaborative blog, Dirty

Technologies: Ruby, Rails, MySQL.

May 2011 - Feb 2015	**Senior Full Stack Developer / CIO**
	7 Pikes (30 employees, POS for pharmacies)

- Led a team of 20 engineers in developing an ERP/POS system
- Coordinated the installation of the software at 1,000+ pharmacies
- Designed and implemented resilient software architecture
- Developed the core Sales module integrated with cash drawers and payment terminals
- Integrated software with accounting and human resources systems 1C
- Assisted with recruiting and interviewing of new and potential developers

Technologies: Ruby, Rails, MySQL, Chef.

Jul 2010 - May 2012	**Full Stack Developer / Founder**
	Jaconda (2 employees, project team chat)

- Launched a chat platform for engineering teams that is used by hundreds of leading-edge remote companies
- Found a way to provide group chat for Google Talk using any instant messengers
- Contributed file transfers, vCards, and chat statuses support to the popular open-source Ruby XMPP library

Technologies: Ruby, Rails, MySQL, EventMachine for XMPP integration.

Jul 2007 - Jul 2010	**Full Stack Developer / Team Lead**
	Piluli.ru (50 employees, the largest Russian online pharmacy)

- Lead a team of six developers in building a business process management system for the largest online pharmacy in Russia
- Integrated SIP calling and built an interface for a small call center of five operators
- Automated order placement and distribution across ten suppliers
- Provided technical guidance to team members

Technologies: Ruby, Rails, MySQL.

Education

2005 - 2010	Master's Degree, Mathematician/Programmer specialization
	Orenburg State University (OSU)

2005 - 2010	Additional Qualification, Russian-English translator
	Orenburg State University (OSU)

Certifications

Ruby Association Certified Ruby Programmer Silver
Ruby Association LLC

Certified Professional
ICAgile

Lean/Kanban Professional
LeanKanban University

Languages

Russian — Native
English — Advanced

Open-Source Projects

react-redux-loading-bar - Open-sourced a loading bar (aka, progress bar) for Redux and React

blather - Contributed SOCKS5, vCards and chat state notifications support to Ruby XMPP client (XEP-0096, XEP-0065, XEP-0047, XEP-0054, XEP-0085)

external-dns - Contributed support for ExternalName services

Interests & Hobbies

- Automating my home with Home Assistant on a Raspberry Pi
- Seeing the world https://mrnv.me/s8mu
- CrossFit training
- Downhill skiing
- Occasional writing at https://blog.mironov.live