Vitaly Zaslavsky

Citizen of the World
Remote around UTC+3 or relocation

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Summary



Senior DevOps engineer with 7 years in infrastructure and 4 years of backend development before that. I build and run AWS and Kubernetes platforms with Terraform, with an SRE focus: observability, alerting and on-call. Coming from backend is my strong side: I can debug applications, find issues and create Pull Requests with changes right in application code.

> **Infrastructure:** AWS (EKS, Lambda, Step Functions), Kubernetes, Helm, Karpenter, KEDA, Terraform, Docker
> **CI/CD & observability:** Jenkins, VictoriaMetrics (Prometheus-compatible), VictoriaLogs, Grafana, Grafana OnCall, Sentry
> **Languages:** Rust, TypeScript, Groovy, Bash

I love everything about DevOps, automation and stability. I build local development environments for backend developers that are comfortable from the very start (I was one of them), and I can (and do) wrap everything in a container, even GUI applications (sometimes it's easier than resolving dependency issues).

I've worked in Scrum and Kanban teams. I ask a lot of questions before starting: I'd rather clarify every detail up front than redo the work later (sometimes to the point of being a little annoying). I love working in a team, sharing my knowledge and gaining wisdom from more experienced people, and I enjoy peaceful holy wars over tech stuff with my colleagues.

I have Linux on all my devices. When my boss gave me a MacBook, I asked if I could install Linux on it. He said "No" and gave me an HP. I'm not a Linux maniac, it's just the most comfortable OS for me.

Languages

- **Russian** Native
- **English** Conversational (B2; Thanks YouTube)
- **Local language** Ready to learn if I relocate

Personal Life a little about

Some of my current hobbies:

- Music. Guitar and Piano playing. Singing sometimes. And (of course) listening. Graduated from music school class classical guitar;
- Blogging about everything. Not only about work;
- Programming. Yes, even after work. I really love Rust and use it in all my personal projects.

I've been happily married to my beloved wife for 10.2 years. She is my biggest support and the heart of our home.

We love animals. We have the black panthera-like cat Json (this word always sounds like a name for me) and little sweetie girl Pixel (Pixie for short). Also, we love foxes so much. That's why my logo and background with fox face

Employment History

Senior DevOps Engineer — Novakid Inc March 2022 - Present

San Francisco, California, United States (remote)

Results:

- Wrote a Rust (Pingora) WebSocket load balancer with sticky routing: 25k concurrent connections at peak
- Built a serverless framework for developers: Terraform modules for Lambdas, layers, Step Functions, API Gateway (platform engineering)
- Owned CI/CD on Jenkins: pipelines and the shared library for every service
- Co-built the observability: VictoriaMetrics, VictoriaLogs, alerting, Grafana OnCall, first Sentry
- Co-built a new production region in AWS China, laying its base infrastructure
- Co-built the EKS platform: 7 environments, production peaks at 1.2k pods and 6k RPS
- Co-built cost optimization: ARM/Graviton, Spot nodes, queue-based autoscaling
- Wrote an on-demand database scaler that has run 3 years without issues
- Watch production through on-call alerts; take part in off-peak deploy shifts

Primary project: Novakid

Industries: English learning platform, Teaching, Online Education

IaC: Terraform, Ansible, Packer, Kubernetes, Helm, Karpenter, KEDA, cert-manager, external-dns, Docker (+ Swarm, buildx)

AWS:

- **Compute:** EC2 (Graviton, Spot), ASG, Lambda (layers, function URLs), Batch
- **Containers:** EKS, ECR
- **Application Integration:** Step Functions, API Gateway, SQS, SNS, EventBridge (Scheduler, Pipes)
- **Database:** RDS, ElastiCache, DynamoDB
- **Networking & Content Delivery:** VPC, Route53, ALB/NLB, CloudFront, Global Accelerator
- **Security, Identity, & Compliance:** IAM, KMS, ACM, Secrets Manager, WAF
- **Management & Governance:** CloudWatch (Logs, Alarms), SSM Parameter Store
- **Cost Management:** Budgets
- **Storage:** S3, EFS, EBS

Regions: AWS Global and AWS China

CI/CD: Jenkins (Groovy shared libraries), Bitbucket Pipelines

Monitoring: VictoriaMetrics, VictoriaLogs, Vector, Fluent Bit, Grafana, Grafana OnCall, Sentry

Tools: HAProxy, ingress-nginx, Nginx, PostgreSQL, Redis, Vault

Workflow: Jira, Bitbucket

Extra: **Languages:** Rust (Pingora), TypeScript (Bun), Groovy, Python, Bash

DevOps Engineer — ScienceSoft November 2020 - March 2022

Minsk, Belarus (remote)

Results:

- Designed and built production AWS infrastructure from the ground up for 3 products with Terraform/Terragrunt, replacing hand-deployed servers
- Ran 14 ECS services on Spot capacity, scaling consumers on queue depth and APIs on CPU
- Replaced on-server image builds with self-hosted DroneCI on Spot runners and Kaniko
- Wrote Go Lambdas for ECS failure alerts and custom metrics
- Covered Terraform modules with Terratest; kept secrets in Sops with KMS
- Automated Aurora database clones for staging with a Lambda
- Deployed apps to EKS with ArgoCD and Helm (GitOps)

Primary projects: Linxio, Ultravioletsim, FairMoney

Industries: Logistics, IoT, FinTech

IaC: Terraform, Terragrunt (+ tflint, tfsec, terrascan, Terratest), Kubernetes, Helm, ArgoCD, Crossplane, Docker (+ hadolint, docker-compose), Kaniko, DroneCI

AWS:

- **Analytics:** OpenSearch (Elasticsearch)
- **Application Integration:** EventBridge, Amazon MQ (RabbitMQ), SNS, SQS
- **Business Applications:** SES
- **Compute:** EC2 (Spot), EIP, ASG, Lambda (Go, Ruby)
- **Containers:** ECS (EC2 and Fargate based; with intelligent autoscaling), EKS, ECR
- **Database:** RDS, Aurora, ElastiCache, DynamoDB (not a lot)
- **Developer Tools:** CodePipeline, CodeBuild, CodeCommit
- **Management & Governance:** CloudWatch (Logs, Metrics), CloudTrail, SSM (Session Manager, Patch Manager, Parameter Store, Run Command)
- **Networking & Content Delivery:** VPC + Security Groups, Route53, ALB/NLB, Cloud Map
- **Security, Identity, & Compliance:** IAM, KMS, ACM, Cognito, Secrets Manager
- **Storage:** S3, EBS, EFS

Monitoring: CloudWatch, DataDog

Tools: Nginx, RabbitMQ, Redis, PostgreSQL, MySQL, ElasticSearch

Workflow: Jira, Confluence, Kanban, Bitbucket, GitHub

Extra: **Languages:** Go, JavaScript, TypeScript, Bash, Rust
CLI: Git, Just, Makefile, Sops, AWS CLI, aws-vault, Restic, Gomplate

DevOps Engineer — Axmit November 2019 - October 2020

Petrozavodsk, Republic of Karelia

Results:

- Built central logging and monitoring for 8 clusters: ELK, Prometheus, Grafana, Slack alerts
- Moved 11 client projects to Kubernetes with Helm charts and GitLab CI
- Migrated a SaaS platform to Helm environments and new GCP clusters
- Automated daily volume snapshot backups on DigitalOcean
- Added E2E tests to CI pipelines with Slack failure alerts

DevOps: Kubernetes, Helm, cert-manager, HPA, Docker, Docker-Compose, Kaniko, GitLab-CI (CI/CD) (sincere love for two of them)

Cloud Platforms: DigitalOcean, GCP, AWS, Scaleway

Monitoring: ELK Stack, Filebeat, ElastAlert, Prometheus & Grafana, Sentry

Testing: WebdriverIO, Selenium

Tools: Nginx, HAProxy, Jsonnet, RabbitMQ, Redis, PostgreSQL, MySQL, S3, Apache Druid, n8n

Linux: SSH, Bash, Makefile, Git

Workflow: Youtrack, Confluence, Kanban, GitFlow

Extra: Ansible, Jenkins, Python, Go, Node.js (Just a smidge)

Mid-level PHP Developer — Axmit October 2018 - October 2019

Petrozavodsk, Republic of Karelia

Results:

- Lead backend contributor: tasks, badges, scoreboards and notifications
- Moved the app to multi-tenant SaaS, with data migration scripts
- Built JWT auth and Facebook, Twitter and Instagram integrations
- Introduced API and integration tests and code style checks

Primary Project: Zelos

Backend: Laravel, Symfony Components, Composer, PostgreSQL, RabbitMQ, Nginx

API & Auth: REST, Swagger, JWT, OAuth (Socialite: Facebook, Twitter, Instagram)

Integrations: Firebase push, Google Cloud Storage, S3, Intercom

Code Quality: Codeception, CodeSniffer, PHP-CS-FIXER, PSR-2, PSR-12

Workflow: Youtrack, Confluence, Scrum, GitFlow

Linux: SSH, Bash, Makefile, Git

DevOps: Docker, Docker-Compose, GitLab-CI (CI/CD), Kubernetes, Selenium (As side skills)

Full Stack Web Developer — Molticlub August 2016 - October 2018

Saint Petersburg (remote)

Results:

- Built a car owners' cashback club alone from scratch: customer, contractor and admin areas
- Designed an event-sourced bonus wallet and a multi-level cashback engine
- Added live admin and contractor feeds over RabbitMQ and WebSockets
- Set up CI/CD: tests in Bitbucket Pipelines, Docker deploys with rollback

Primary Project: Molticlub

Backend: PHP7.x, Yii2 & Extensions, Symfony Components, Composer

Code Quality: Codeception & Behat & Selenium, CodeSniffer, PSR-2

Frontend: ReactJS & Redux & Saga & React-Router, Bootstrap, Webpack, Gulp, Sass, BEM, ESLint

Infrastructure: MySQL, Apache2, RabbitMQ, WebsocketD

Linux: SSH, Bash, Makefile, Git

DevOps: Vagrant, Docker, Docker-Compose, Bitbucket-Pipelines

House Painter — ACS November 2014 - July 2016

Videl, Republic of Karelia

Results:

- Renovated rooms from scratch, from bare walls to the finished interior
- Stripped old finishes, plastered and skimmed the walls, then painted them with enamel or emulsion paint or hung wallpaper

Primary Project: Videl Boarding House

Backend: Knauf Rotband, Primer

Frontend: Weber Vetonit, Emulsion Paint, Enamel Paint

Extra: Cleaning of Premises, Garbage Removal, Wall Crushing

Full Stack Web Developer — Macropod June 2013 - August 2014

Saint Petersburg

Results:

- Built complete websites end to end, from markup to backend, on Macropod, the company's own CMS
- Kept them lean: no heavy frameworks or libraries, only hand-written PHP, CSS and jQuery, so pages loaded almost instantly

Backend: PHP5.x (pure), Apache2, MySQL, PHPMyAdmin

Frontend: CSS3 (pure), HTML, jQuery & Plugins