



Sergei Shilko

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English, Russian, German, Polish, Ukrainian, Belarussian



BACKGROUND

ABOUT

Hi, I am Sergei Shilko, i graduated in 2010 MS Psychology with study on role of personal characteristics in a successful Software/IT career. Since first year in university i already worked for IT company and now i have more than 10 years of experience in Web/IT engineering. I managed work on multiple software projects ranging from small plugins and internal IT systems to build from scratch backend systems for high load. My expertise domains are Web, Mobile and APIs for backend applications. I like to solve technical and business problems with focus on client requirements and working closely with product teams.

WORK EXPERIENCE

• **Head of Engineering,** [Tripod Technology GmbH](#)

Jun, 2016 - Present

SRE & Cloud Architecture of backend APIs, IT, Operations, Concept. Reporting and liaising directly with CEO & external stakeholders

- Scaling and developing whole backend infrastructure
- Migrating whole stack into containers (Docker) and K8S
- Costs optimized technology stack
- Promoting AWS Best Practices and Agile
- China and SEA connectivity improvements and research

Senior FullStack Software Developer, [Tripod Technology GmbH](#)

Jun, 2013 - Jun, 2016 3 years

Mature backend solutions for audio/video (tele)communications software. Developing public API for mobile clients.

- Implemented first API for first version of mobile app
- Revamp of old codebase (prototype) into working product
- Deprecate legacy on-premise hosting and migration into AWS
- Defining the whole mobile optimized API's from ground-up for iOS and then Android clients
- 2015 Most innovative app of the year (Apple iTunes)

Lead Software Developer, [Yangutu LLC](#)

Nov, 2011 - Nov, 2012 1 year

Working on web based social network.

- Game platform add-on for product
- AMF Flex/ActionScript API Server
- Facebook, Instagram and other social networks integration
- Import/Export API's

Contractor, [Cygno Solutions LLC](#)

Sep, 2011 - Nov, 2011 2 months

Short term freelance experience, integrating payment gateways and external API into existing project

- PayPal integration
- DineroMail (SA Payment platform) integration

PHP Developer, [eHarmony, Inc](#)

Aug, 2008 - Sep, 2011 3 years 1 month

eHarmony Reporting and Management Tools for Risk Management team.

- CMS/RMS Internal website to manage and automate risks and fraud detection
- Working with sensitive client abd payment information

Software Developer, [IponWeb](#)

Aug, 2007 - Sep, 2011 4 years 1 month

SOAP/Rest API for real-time AD Exchange platform (formerly RightMedia.com)

- Working on API for real-time advertising platform at scale
- Implementing funtional test coverage for whole functionality and refactoring old tests

Contractor, [Yahoo!](#)

May, 2008 - Mar, 2009 10 months

Maintaining RightMedia AD Exchange API migration after Yahoo! purchase

- Refactoring tests, code and documentation, working with remote Yahoo developers team

Intern, Developer, [Sinytech LLC](#)

Dec, 2005 - Aug, 2007 1 year 8 months

E-commerce websites for multiple clients/brands

- Learn Web and IT
- Learn CMS and development tools
- Integrate VeriSign payment processor
- Support custom CMS codebase (MVC)



SKILLS

FrontEnd Web Development

HTML CSS Javascript jQuery SEO

Backend JS Development

NodeJS PhantomJS NightmareScript

BackEnd Web Development

MySQL 5.7 MongoDB Redis SphinxSearch ManticoreSearch Docker Docker Swarm Adobe AMF
PHP ZendFramework 1 Custom PHP Frameworks PHP 5.5 - 7.2 Docker Beanstalkd RabbitMQ Gearman
AMQP Vagrant Puppet Git JSON-RPC PHPUnit Curl Grep Bash Sysctl/Systemd Guzzle PHPStorm Vim
Emacs SublimeText

AWS Cloud

EC2 ELB Lambda S3 RDS ElastiCache VPC CloudFront Route 53 API Gateway CodeCommit CodeBuild
CodeDeploy CodePipeline CloudWatch IAM ECR Cognito Certificate Manager WAF & Shield SQS SNS
Mobile Hub PinPoint WorkMail

Other

Github NewRelic Debian Alpine Linux Amazon Linux Arch Linux Ubuntu Gentoo Facebook API Apple APNS
Google FCM Alipay Payments Google & iTunes Payments Stripe, Paypal Payments Kubernetes



EDUCATION

Psychology , Personal characteristics of successful Software Engineers, Grodnenski Dzaržauny Universitet imja Janki Kupaly

Sep, 2005 - Sep, 2010

Cognitive psychology Psychodiagnostics Experimental psychology

Electrical engineering, High voltage electrical relays and automation controls, GGPEK Technical College

Sep, 2003 - Sep, 2005

High voltage engineering

Electrical engineering, , Community College

Sep, 2000 - Sep, 2003



AWARDS

Yearly city college IT competition 1st place

Awarded on: Jan 01, 2003

Local city contest across different education institutions

Yearly country IT competition 3rd place

Awarded on: Jan 01, 2005

Country contest across all education institutions from all regions

AWS Certified Solutions Architect - Associate (SAA) 3GV5K7KKC14Q17W1

Awarded on: Dec 13, 2018



INTERESTS

Conferences

Belin - AWS Summit 2016 Berlin - AWS Summit 2017 Kopenhagen - KubeCon 2018 Berlin - AWS Summit 2019

Podcasts and Forums

Golang - Golangshow Radio-T IXBT Habr

Traveling

Greece Spain Georgia Germany Poland Greek islands

PC Geek

Modding HTPC Raspberry Pi ZX Spectrum Retro LAN Networking Wireless

Reading

Management Agile Scrum Sci-Fi Fantasy Horror Clean Code TDD Architecting for the Cloud Best practices
High performance IT novels Marketing and selling high-tech products Scalable and maintainable systems
Algorithms Managing successful projects Building teams Software architect wisdom Isaac Asimov Robert Heinlein
George Orwell Terry Goodkind Alan Kuper Tom DeMarco

eSports

Twitch International Competitive teams Broadcasting Analytics



REFERENCES

Arnd Aschentrup / CEO Tripod Technology GmbH