Sergei Shilko
Software Engineer

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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 Technlogy GmbH
Jun, 2016 - Present

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

- Scaled, monitored and developed all backend infrastructure
- Migrated application services into containers (Docker)
- Experimented with K8S, Rancher, Swarm orchestration
- Built full CI/CD pipeline on AWS Pipeline inc. Blue/Green deployments and AutoScaling
- Promoted AWS Best Practices, AWS Well-Architected
- China and SEA connectivity improved, ICP/Hosting issues resolved
- Refactored, maintaned and upgraded application code and infrastructure
- Added more analytics, KPI & revenue, retention and engagement tracking
- Migrated from PHP 5.4 to 7.2, Ubuntu 12 to Debian 9, AWS EC2-Classic to VPC
- Hired, onboarded and directly managed new dev members
- Enforced unit & integration testing, code review & code style policies

Senior FullStack Software Developer, Tripod Technlogy GmbH
Jun, 2013 - Jun, 2016　🕑 3 years

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

- Refactored of old inherited prototype codebase into working product, did first production release
- Celebrated first 50 users sign-up on GA dashboard and first promotions on iTunes
- Implemented json-rpc API for mobile app based on Adobe Flex and added support later for native iOS & Android app
- Deprecate legacy on-premise hosting and migration into AWS EC2-Classic
- Celebrated 2015 Most innovative app of the year (Apple iTunes)
- Implemented custom framework with open-source components
- Reduced API response times from >=2000ms to ~100ms
- Implemented critical app functionality: messenger, userfeed, email-reminders, search and more

Lead Software Developer, Yangutu LLC
Nov, 2011 - Nov, 2012　🕑 1 year

Working on web based social network.

- Added API for supporting external 3rd party Game-platform add-on's
- Added AMF Flex/ActionScript API Server for import/export of data to mobile platform
- Added Facebook, Instagram, VK and other social networks integrations
- Extended 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

- Added PayPal integration into existing project
- Added DineroMail (South America Payment platform) integration into existing project

PHP Developer, eHarmony, Inc
Aug, 2008 - Sep, 2011　🕑 3 years 1 month

eHarmony Reporting and Management Tools for Risk Management team.

- Developed CMS/RMS Internal service from specification to manage and automate risks and fraud detection
- Working with sensitive client payment information
- Extended CMS/RMS service with flexible and configurable multi-role authentication system for different regions
- Added support for localization and translation of CMS/RMS
- Added analytics and audit tools for tracking and optimizing team (users or the CMS/RMS) performance
- Received feedback: UI/UX, bugs, new features suggestions and implemented

Software Developer, IponWeb
Aug, 2007 - Sep, 2011　🕑 4 years 1 month

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

- Worked on SOAP-API for high-load real-time advertising platform at scale
- Heavily extended and rewrote existing funtional test coverage, integrational e2e testing
- Covered many new edge cases in tests which lead to fixes in critical API parts

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

- Learned CGI, HTML, CSS - Web and IT
- Worked on custom CMS
- Integrated VeriSign payment processor
- Extended existing CMS codebase (MVC) with new functionality
- Implemented and released in production multiple e-commerce projects based on common CMS/framework

SKILLS

FrontEnd Web Development

HTML · CSS · Javascript · jQuery · SEO

Backend JS Development

NodeJS · PhantomJS · NightmareScript

BackEnd Web Development

MySQL 5.5 - 5.7 · MongoDB · Redis · SphinxSearch · ManticoreSearch · Docker · Docker Swarm · Adobe AMF · PHP ZendFramework 1 · Custom PHP Frameworks / MVC · PHP 5.5 - 7.2 · Beanstalkd · RabbitMQ · Gearman · AMQP & MQTT · Vagrant · Puppet · Nginx · 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 · SVN, Mercurial · NewRelic · Debian · Alpine Linux · Amazon Linux · Arch Linux · Ubuntu · Gentoo · Mac OS · Facebook API · Apple APNS · Google FCM · Alipay Payments · Baidu PN · Google & iTunes Payments · Stripe, Paypal Payments · OpenTOK · SparkPost, Mandrill · Kubernetes

EDUCATION

Psychology , Personal characteristics of successful Software Engineers, Grodnenski Dzjaržauny 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 2014 · Belin - AWS Summit 2015 · Belin - AWS Summit 2016 · Berlin - AWS Summit 2017 · KubeCon + CloudNativeCon 2018 · Berlin - AWS Summit 2019 · KubeCon + CloudNativeCon 2019

Podcasts and Forums

Golang - Golangshow · Radio-T · IXBT · Habr

Traveling

Greece · Spain · Georgia · Germany · Poland · Greek islands · Lithuania · Russia · Egypt

PC Geek

Modding · HTPC · Raspberry Pi · ZX Spectrum · Retro · LAN & 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