

# YAROSLAV POGREBNIYAK

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Software Engineer and Architect

A passionate T-shaped technologist, problem solver and lifetime learner with solid technical background, more than 15 years of hands-on experience and positive influence skills. Capable of driving mission-critical software projects by being a catalyst of change. Strengths include strong analytical skills, attention to detail, agility and interpersonal intelligence. ■

## # SKILLS

### SOFTWARE DEVELOPMENT

Polyglot Programming, Go, Node.js, ANSI C, Python, Rust, Java, Linux, Web, Scripting, Networking, TCP/IP, Databases, Video Streaming, WebRTC, FFmpeg SDK, CUDA

### DISTRIBUTED SYSTEMS

Evolutionary Architectures, Modular Monoliths, Microservices, Event Driven, API Design, CI/CD Pipelines, Devops Practices, Containerisation, Kubernetes.

### TECHNICAL LEADERSHIP

Technical Empathy, Large-scale thinking, Growth mindset, Mentoring, Inclusive Management, Driving Technical Decision, Communicating Technology to Stakeholders

## # EXPERIENCE

### OPEN-SOURCE

overlay\_cuda | FFmpeg filter  
FFmpeg HLS muxer improvements  
gobetween | cloud-native load balancer  
nodejs modules for logging, config, etc

### CONSULTING

NDA closed projects for Verbit, Cerrion, Augmented Pixels, JustPremium, ITSchool Hillel, Mindful365, CDR-Express, MiraBlue, NDA closed CDN company & others. Helping to accomplish mission-critical goals.

### Teradek | Videndum

Tech Lead and Architect | 2015 – present | contract

Senior Developer | 2013 – 2015 | contract

Leading architecture, led and performed development of server-sides for a bunch of Teradek Cloud Products, including Core and ShareLink. Responsibilities: R&D, solutions architecture, cloud microservices architecture & design (rest apis with 500+ endpoints), databases, streaming server with restreaming, transmuxing, cloud recording, transcoding, overlaying and backup switching. 1000 concurrent real-time streaming sessions and dealing with up to 400+ Tbytes video traffic monthly. Handling 50 Tbytes+ recorded and processed videos live stream recording Multi-tenant design for a management and control system capable of handling 10000 organizations and 20000 accounts. Architecture and management of 1200+ instances'

js, node.js, npm, golang, rest apis, rust, custom binary protocols, socket.io, mongodb, redis, ansible, docker (+ swarm), ssl, linux, ubuntu, amazon aws, git, ci/cd, ffmpeg api, multitenant

architecture, microservices, services integration, transcoding, h264/h265, webrtc, pion-webrtc, nvidia gpu, rtp, rtmp, mp4 ...

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## Thomson Reuters

Senior Developer | 2012 – 2013 | contract via Ciklum

London 2012 Olympics - built back-end system that was powering real-time olympic games scores and schedule updates for iOS applications.

Push Notifications Service (for iOS & Android) - built backend for notification management, queueing and scheduling.

java, jersey, jpa, spring, jdbc, mysql, apple push notifications, aws, etc

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## APSMART

(acquired by Thomson Reuters) | Senior Developer | 2011 – 2012 | contract via Ciklum

Skurun - sales mobilizer - created Java REST API & Admin Panel

MPme - curated radio - built backend for online radios monitoring service

We&Co - 'thank different' platform - built a backend for location & map service

java, jersey, jpa, spring, mysql, elasticsearch, redis, webdis, ruby on rails, node.js, amazon aws, heroku, salesforce, git, linux, protocol buffers, html/css, jquery, rest/json

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## ASMALLWORLD

Software Developer | 2010-2011 | contract via Ciklum

Successfully implemented critical payments feature - integrated PayPal

ruby, rails, mysql, mac os, amazon aws, paypal api, mongrel, html/css

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## COMODO

Software Developer | 2008-2010 | direct contract

HopSurf – social auth service – developed server-side java backend; designed and implemented live bookmarks recommendation algorithm and other security-related projects.

\*nix, java, maven, ant, spring, struts, servlets, jpa/hibernate, ehcache, lucene, jmx, scala, xpath, sql, postgresql, mysql, c/c++, libxml2, openssl, mod\_ssl, collaborative filtering, python, pyramid, regexp, sqlalchemy, js, webdav

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## Filatov Institute of Eye Diseases

Systems Engineer | 2006-2008 | part-time

Developed a patient account system on .NET platform for the laser clinic laboratory. Developed Optical Coherence Tomography scans result and visualization desktop application.

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## # EDUCATION AND CERTIFICATION

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### Odesa University

Computer Science and Informational Technologies | 2002-2008

Graduated with Masters degree and diploma with distinction (A+)