

# Romans Malinovskis - Resume

I am an IT Professional living near London (Hertfordshire, UK) with a wide spectrum of skills and very diverse experience.

Since 2000 I have been a freelance developer, architect, CTO, co-founder and open-source project owner. My expertise is in infrastructures, backends and being a developer lead.

**I am interested for contract or project work involving DevOps or Web Projects.**

## *DevOps (work)*

My focus is on **DevOps** and **Infrastructure as a Code**, highly available, scalable cloud-based architectures with high performance, low latency and low running cost.

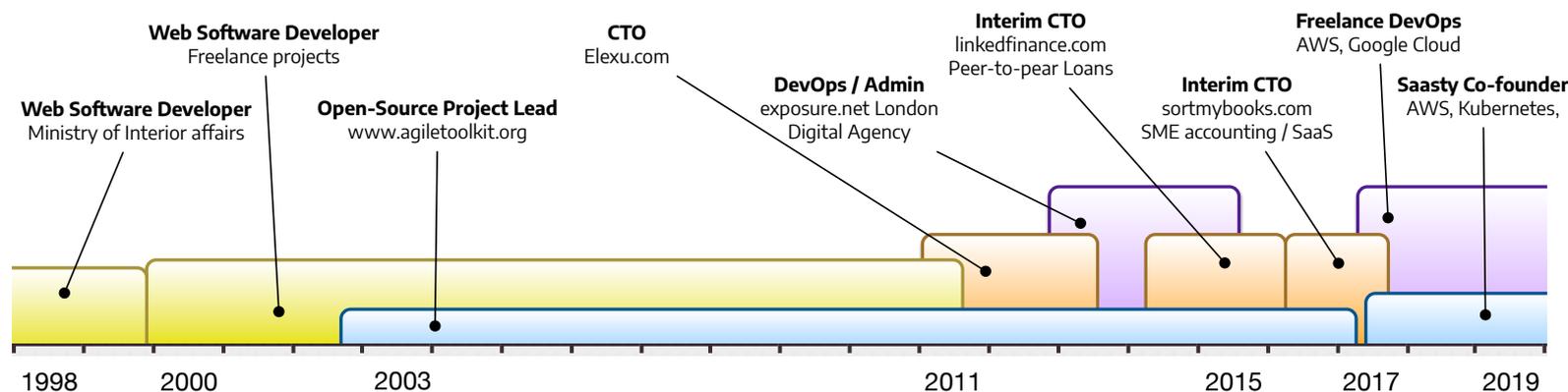
My expertise is in AWS, Kubernetes, Docker and automation although I often have to work with other technologies and solve specific problems. I am **good collaborator** and will **easily lead** mini-projects, releases and migrations.

## *Programming (hobby)*

On the web, my name is associated with **Agile Toolkit**. This is software framework for developing Administration and ERP systems and data manipulation, **which I developed** and released under MIT license in my free time.

Tens of thousands of developers use Agile Toolkit. I [wrote a book about Agile Toolkit](#) and [published on-line course](#) for students.

## *Work Experience*



I started to work part-time as a web developer and linux admin while still doing my masters in Latvian University (Math/IT bachelors). Here are some milestones:

**2000–2003:** Worked for **several IT companies in Latvia** in a new emerging industry of web applications: [apollo.lv](#) (2000) became 3rd largest news portal in Latvia and [E-Apollo.lv](#) (2000) became 2nd largest WebMail service. [www.24.lv](#) (2001) — became first major On-Line shop in Latvia at the time.

I also worked on custom Linux distribution optimised for routers with custom traffic shaping and real-time IP-range accounting. (Free national traffic, but paid international)

**2002–2008: I founded my first company in Latvia.** I hired and trained developers from Russia and we worked on Web Apps for the US market. (2003). Ad-traffic exchange system – built interface in PHP and exchange in C/FastCGI. Managed infrastructure of 10+ servers.

[domainclub.com](http://domainclub.com) (2006) with 2 other developer implemented ICANN accredited registrar, various system around exchanging premium domains, testing domains.

[mypodcast.com](http://mypodcast.com) (2004) largest free "podcast" hosting service. Folded due to competition from Youtube.

In 2008 our 5-developer team decided to go in different directions.

**2008–2011: I restructured above service company into "Agile Technologies Ltd" in Ireland.** My open-source framework (Agile Toolkit) has become popular and very efficient. I focused on offering SaaS solutions to Irish Startups.

[Sortmybooksonline.com](http://Sortmybooksonline.com) (2008) with a team of 1 designer, 2 developers, 1 tester and me in a Lead Dev/Admin position we have built on-line accounting app from scratch in just a 1 year time.

[LinkedFinance.com](http://LinkedFinance.com) (2010) was my another project where I have implemented solution for on-line lending platform.

**2013–2015: I worked for London branch of Exposure as server admin and DevOps.** I improved security, wrote various automation projects, in-house control systems as well as building admin/backend systems for clients such as **Triumph, Microsoft, Casio, Martini, Heineken** and Thorpe Park.

In **2014** I co-developed a system for **digital marketing** feedback loop, **visualising stats** from Google Analytics, Facebook, Youtube, Twitter and aligning them with marketing funnel goals.

In **2014** I began to use **Docker** and containerisation. I contributed to "dokku" and "dokku-alt" open-source projects.

## *Recent Projects*

My old client, [LinkedFinance.com](http://LinkedFinance.com) invited me as **interim CTO (2014–2015)** in order to restructure company after the VC fund investment (2M). I had to work on multiple fronts, implement docker, CI/CD and implement a scalable and redundant infrastructure, refactor software for the platform ([independent review](#)), introduce office security policies and also implement new internal workflows to [reach incredible growth](#). I helped with hiring and training their current CTO (they required on-site Dublin presence).

In **2015–2016** I have worked for [SortMyBooks.com](http://SortMyBooks.com) in a similar capacity (part-time) beginning a huge refactor of their 5yo codebase, improving their infrastructure, performance, lowering TCO as well as hiring and training new support developers. Development budget has been very tight, so I had to make sure to find a way forward that balances improvements, bug-fixes and new features eventually replacing team of 3 full-time developers with just a single part-time developer who could still accomplish much more.

In **2016** I have focused on self-education perfecting my skills in AWS and investing into Kubernetes, RedShift, CoreOS, Deis and other emerging technologies. I also implemented and deployed two notable open-source projects: [ATK Data](#) and [ATK UI](#). Those frameworks are aimed at improving data mapping/modelling and implementing UI for internal ERP-like web apps in PHP.

In **2017-2018** I have took part in developing **Saasty.io**. A start-up with an ambitious goal to deliver a web app builder. I have participated as an architect, designing application, infrastructure for the application builder capable of using 3rd party code safely, protecting user data on top of scalable Kubernetes / GCP infrastructure. The challenges here were to implement a secure web app hosting platform suitable for a "free tier" users while also offering "deploy to cloud" automation and on-premises solution for auto-generated apps.

As of **2018** I am working for **Medsleuth** (San Francisco based company). I have refurbished their old infrastructure into a fully automated AWS solution with CI/CD, Infrastructure as a Code scalable serverless solution. Currently am finishing items on the wish-list, while also looking at the next opportunities as a senior DevOps / Architect.

## *Technologies and Programming Languages*

Skil	Description
5	used extensively for more than 5 years. Also used sometime in the last 2 years.
4	have been using extensively for several years at some point, but not recently.
3	used in one or two projects only.
2	evaluated the technology, tried out in a test-project, but stayed with alternative technology.
1	familiar with technology, but haven't tested it out yet.

## *DevOps, Backend and Server-side skills*

Field	Skill
Containers	<b>Docker</b> (5), <b>Kubernetes</b> (5), <b>AWS</b> (5), <b>DigitalOcean</b> (5), <b>Heroku</b> (5), RedHat OpenShift(2)
Serverless	<b>AWS Lambda</b> (5), <b>Serverless</b> (5)
CI / CD	<b>TravisCI</b> (5), <b>CircleCI</b> (5), <b>Selenium</b> (5), Jenkins(2)
Server apps	<b>Apache</b> (5), <b>nginx</b> (5), <b>php</b> (5), Perl(4), <b>Bash</b> (5), sed(5), vim(5), awk(5), uclibc(4), sendmail(4), qmail(4), <b>postfix</b> (5), courier(5), cyrus(4), PAM(4), SASL(4), Squid(5), <b>MySQL</b> (5), svscan(5), named(5), djbdns(5), samba2(5), samba3(4), Java(4), Oracle7h,8,8i(4), Oracle9+(3).
Concepts	SMTP(5), DNS(5), DHCP(5), HTTP(5), BOOTP(4), Thin-Linux-Client(4), NFS(5), chroot(5), antispam(5), antivirus(5), cryptography(4), ipchains(4), iptables(4), ipfw(4), dialup(3), nntp(3), clusters(4), kernel tuning and hacking(4), socks(4), Linux+Windows networking(4), server custom backup solution(5), linux-se(4), Docker(5), Chef(4).
High Availability	thttpd(4), nagios(4), gfs(1), heartbeat(4), mysql-cluster(4), fast-cgi(5), php-fpm(5), corba(1), khttpd(2)

# Programming Languages

Field	Skill
Procedural languages	Basic(4), C(4), C++(4), COBOL(2), Fortran(2), Delphi(2), Java(4), Pascal(4), Object pascal(4), Awk(5), Perl(5), <b>PHP</b> (5), Python(5), Tcl(4), PL(2), FoxPro(3), Server-side <b>Swift</b> (3), Go(2), Java(4).
Assembly languages	x86 and 386 assembler(4), x87(4), hiasm(3), C--(4), Pascal inline assembler(4) last used assembly in 1997
Command-line languages	<b>Bash</b> (5), DOS Batch(4)
Database	SQL(5), PL/SQL(4), Neo4j(3), Redis(5), MongoDB(4)
Scripting	AppleScript(2), <b>JavaScript</b> (5), Sed(5), <b>NodeJS</b> (5), LUA(3).
Markup	HTML(5), XML(5), <b>CSS</b> (4), <b>LESS</b> (4), <b>XML</b> (4), XSLT(4), <b>JADE/PUG</b> (5)
Concepts	multithreading(5), Algorithms(includes sorting, trees, hashes, performance complexity optimisation and more). Knuth is my hero!

## Misc Skills

Field	Skill
Service Design	<b>Microservices, Internal APIs, Zero-downtime and infinite scalability.</b>
Team Management	Release planning, Software security,
Start-up Growth	Refactoring <b>legacy code</b> , improving performance, <b>reducing TCO, hiring</b>
Projects	Developing <b>Specification, Documentation and Proposals</b>

### My Passion is in Learning!

I have been blessed with all the wonderful projects I worked on in the last 20 years. Learning about the business process, finding new ways how technology can help and also using my extensive knowledge and experience to keeps things efficient, optimal and revolutionary.

In my previous projects, you'll see that quite often I would prefer to hire and train support team and free myself to explore new projects and ventures. Sometimes I would even consider **equity** as a payment for my work.

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**My second passion is cycling.** In 2019 I have cycled from London to Berlin in just 6 days. Read more on [Nearly.guru](https://nearly.guru). Also read my articles on [Medium.com/@romaninsh](https://medium.com/@romaninsh)