

Paul Makovich

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ABOUT ME

I am a *Software Engineer* by profession. I program in several computer languages including *Rust, Bash, C#, JavaScript*. My past experience includes mostly *Web* (for both *ends* if you will). Nevertheless, I did *Linux* tools, administration and networking, *Windows* desktop apps (maybe you've heard of FoxPro, Delphi and GDI+), and keep my finger on the pulse of GPU programming, virtualization, databases, formal methods, and embedded systems.

OPEN SOURCE PROJECTS

kp >>>

Cross-platform TUI password manager implemented in Rust.

kdbx4 >>>

KeePass KDBX4 file format reading library in Rust.

inliners >>>

Cross-platform CLI tool that inline images, CSS, JavaScript and more into a single HTML web page.

bkp >>>

Configuration management helper for Alpine Linux lbu that lets commit every config update to the Git.

alp >>>

Fancy QEMU wrapper for Alpine Linux that lets you spin a virtual machine in few seconds.

Multi host Docker w/ WireGuard >>>

Overlay network without any centralized store or coordinator.

Micro containers on Musl based Mono >>>

POC example of how to build Docker image from scratch for dotnet web application.

Set of HTTP/2 ready Docker images >>>

Alpine Linux, S6-Overlay, ingress via nghttpx and Let's Encrypt

EDUCATION

Belarusian State University of Informatics and Radioelectronics

2003 ... 2006

B.Sc. in Software Engineering

Thesis: Database requests caching with Enterprise JavaBeans.

The Minsk State Higher Radio Technical College

1999 ... 2003

B.Tech. in Design and production of radio electronics means

Thesis: Sound card based standard audio frequency signals generator.

WORKING EXPERIENCE /SELECTED POSITIONS/

Self-employed

January, 2018 ... Present

Summary Various small to medium projects mostly in Rust, C#, JavaScript. Tools, websites, one-off ideas.

Athlinks

January, 2015 ... January, 2017

Summary Integrating two platforms (*Athlinks* and *Chronotrack*): aligning their domain models with *Domain-Driven Design* (DDD) principles.
Set up *Continuous Integration* pipeline for *.NET* and *JavaScript* apps, defining team *branching model*.
Migrating from "JS as an extension of server-side generated HTML" to "JS as a first class citizen SPA".
Shared accounts of two platforms by utilizing invitations model.
Email notifications subsystem.
Sitemap generation tool for *millions of URLs* to be indexed by search engines.

Job Position Software Engineer

Technologies Full .Net and JavaScript stacks (ASP.NET MVC, WebAPI, ReactJS, HTML5), Microsoft SQL Server, MongoDB, Neo4j, RabbitMQ, Windows Services, Jenkins, Octopus Deploy

Altoros

May, 2014 ... July, 2014

Summary Company's internal *SharePoint* projects (reporting, data analysis with SQL).
In-house caching proxy for weather forecast providers for *Sensio AS* (asp.net web api, mobile html5).
Company's intranet site for salary payments displaying (asp.net mvc, sql compact, active directory, twitter bootstrap, handsontable).
Software estimation on presales activities.

Job Position Software Engineer

Freelance

April, 2013 ... September, 2013

Project Optoviq.ru

Summary Showcase SPA of *Sadovod* shopping mall.

Job Position Software Developer

Team 3

Technologies ASP.NET Web API, AngularJS, EF5, MS SQL Server 2012

Intetics, Co

June, 2012 ... September, 2012

Project Accelify

Summary Set of education management tools designed for maximizing *Medicaid* reimbursements.

Job Position Software Maintenance Engineer

Team 10

Technologies ASP.NET WebForms, NHibernate, MS SQL Server

RealStock

May, 2007 ... October, 2008

Summary *UI design* and coding *Quoch Lite*—user friendly stock monitoring system (.NET 2.0, GDI+, WinApi).
Web-app for managing insurance contracts (project coordinator, JavaScript developer).
Adobe Flex based social network prototype (project coordinator).

Minsk Tractor Works

February, 2007 ... July, 2007

Summary Internal projects maintenance and development.

Technologies Visual FoxPro, ODBC, SQL, OLE components.