Moscow, Russia

IGOR YALOVOY

+79037471680
TO@YLV.IO
YLV.IO
GITHUB

In 12 years of my career, I architected and delivered a broad range of solutions: 3D games, health tracking app, karaoke appliance, car computer dashboard, custom E-commerce website, cryptocurrency payment processor, and Ethereum dApp. I worked with companies in the United States, the United Kingdom, Denmark, and Spain. I am a writer at [HackerNoon](#).

WORK EXPERIENCE

CTO & Co-Founder   [apercoin.com](#)   **Jan 2017 – Present**

Apercoin is a 0% trading fee peer-to-peer crypto marketplace connecting buyers and sellers.

- Picked technology stack, designed architecture and implemented **90% of MVP**.
- Translated business requirements into technical specifications with realistic deadlines.
- Designed and implemented bespoke solutions for Bitcoin Wallet, Escrow Service, 2fa TOPT, Telegram bot, and real-time chat.
- Promoted project at tech events – Consensus 2018, Crypto Expo 2018 Moscow.
- Setup infrastructure and reduced costs **50%** compare to AWS by running custom CI/CD on Digital Ocean.

Tech Stack: Postgres, Python/Django, Bootstrap, jQuery, Celery, Ubuntu, DigitalOcean, [sentry.io](#), Mailgun, Bitcoin, REST.

Personal Project   [Coinpledge](#)   **Nov 2018 – Present**

Coinpledge a is personal productivity tool dApp on Ethereum blockchain. It is an [open source](#) project.

- Developed and written full test coverage for Ethereum smart contract.
- Designed and implemented front end for interactions with Ethereum smart contract.

Tech Stack: Javascript, React.js, Web3.js, Solidity, Bulma, Ethereum, Smart Contracts, Babel, Webpack.

Lead Developer   Ace Bespoke Solutions   **Oct 2011 - Dec 2016 (5y 3m)**

- Led development of multimedia karaoke product family from requirements to production. Developed system is installed at entertainments venues in Spain and UK operating using a subscription business model.
- Proposed and implemented Lyrics Recognition Tool lead to saving **100 000 GBP** per year for the company on the karaoke content contract.
- Implemented and integrated bitcoins payment system for e-commerce product, allowing customers to pay with bitcoins for products. Six months later **40%** of payments were done using bitcoins.
- Hired and managed outsource developers saving company around **50%** on salaries compare to local rates.

Project   [Midas](#)   Nov 2015 – Dec 2016

Midas is a crypto payment processing system with no 3rd party dependencies.

- Engineered invoice system capable of automatic invoice issuing at live exchange rate during a payment process.
- Built a cold storage funds system for Bitcoin – making stealing funds impossible.

Tech stack: Bitcoin, Ethereum, C#, Javascript, [ASP.NET](#) MVC, Entity Framework, jQuery, Azure, Ninject, AutoMapper, Markdown, Bootstrap, MS SQL, NUnit, Security.

Project   [Karaoke System](#)   2011-2015

Multimedia entertainment system for venues featuring karaoke and quiz.

- Coded HD and UltraHD quality karaoke renderer using bespoke XML based format.
- Devised custom video backgrounds and pixel shader effects.

Tech stack: C#, C++, DirectX, DirectShow, Unity3d, WPF, WCF, MVVM, Dependency Injection, log4net, LINQ, Telerik, NAudio, JSON.

Project   [Lyrics Recognition Utility](#)   2012

Lyrics Recognition Utility is capable of converting low-resolution karaoke video into XML based document with entire lyrics, page timings, voices, and highlighting timings.

- Developed custom algorithms for detecting lyrics highlighting timings, page change timings, number of voices, page sequences with heavy use of ABBYY OCR Engine and OpenCV.
- Converted more than 15'000 low-resolution karaoke videos into full feature karaoke XML documents.

Tech stack: C#, OpenCV, Emgu CV, [ABBYY OCR Engine](#), XML.

Senior Developer   **AVX Technologies**   **May 2010 - Oct 2011 (1y 6m)**

- Implemented multi-module architecture for AVX box system resulting in fast switching between different modules in the same WPF application.
- Developed **WPF** controls library/theme for AVX box system, which was reused by all apps within the system, thus saving time and enforcing the same look and feel across entire applications.
- Managed tasks for other developers, interacted with QA team and CTO, drafted specifications.

EDUCATION

Rostov-on-Don, Russia   **Southern Federal University**   **Sep 2003 - Jun 2009**

- Master of Applied Science with Honors, Southern Federal University, 2007-2009
- Bachelor of Applied Science with Honors, Southern Federal University, 2003-2007