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EMPLOYMENT

CTO & Co-Founder apercoin.com Jan 2017 – Present (2y 1m)

- 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 realtime 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.

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 subscription business model.
- Proposed and implemented Lyrics Recognition Tool as a result saving **100 000 GBP** per year for a company on 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.

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 system, thus saving time and enforcing same look and feel across entire applications.
- Managed tasks for other developers, interacted with QA team and CTO, drafted specifications.

Developer **Robust Haven Inc.** Oct 2009 - May 2010 (8m)

- Developed custom **Sliverlight** components for main company product.
- Integrated new and existing Silverlight component into products.

Junior Developer **Digital Spectrum** Jan 2006 - Oct 2009 (3y 10m)

- Written unit and integrations tests for company products, resulting in better product quality and less QA cycles.
- Optimized performance of existing products improving cold and hot load time, search speed.

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

TECHNICAL EXPERIENCE

Projects

- [Apercoin](#) (2017-2019). Peer-to-peer crypto market place written on python/django. It features bespoke bitcoin wallet, escrow system, 2fa TOPT, telegram bot, and realtime chat. Tech stack: Postgres, Python/Django, Bootstrap, jQuery, Celery, Ubuntu, DigitalOcean, [sentry.io](#), Mailgun.
- [Coinpledge](#) (2018). Coinpledge a is personal productivity tool written on React.js/Solidity. Tech stack: React.js, Web3.js, Solidity, Bulma.
- **Bitcoin e-commerce** (2016-2017). E-commerce web-site written on [asp.net](#) mvc 5 with focus on accepting payment in bitcoins without using any third party integrations. Tech stack: [aps.net](#) mvc, ef, jQuery, azure, ninject, automapper, markdown, bootstrap, MS SQL.
- **Karaoke System** (2011 – 2015). Multimedia entertainment system for venues featuring karaoke and quiz. Written in C# on windows utilizing DirectX and DirectShow. Utility software for system written on WPF. Latest version using Unity3d game engine for rendering.
- **Lyrics Recognition Utility** (2012). Written in C# with heavy use of [ABBYY OCR Engine](#) and [OpenCV](#). Developed custom algorithms for detecting lyrics highlighting timings, page change timings, number of voices, page sequences. LRU is capable to produce completed and full xml document for song based on video with embedded lyrics.
- **Car Multimedia System** (2010-2011). Written on C# with entire UI done on WPF. System features many component for in car use such as: phone integration, video playback, music player, navigation, social, web, radio and others.
- [Rebomber](#) (2014). Hobby project written for fun on C#/Unity3d. Simple 2d scroller game based on 90s game for Nintendo NES Bomberman. Full source code available on github.

ADDITIONAL EXPERIENCE AND AWARDS

- [Bitcoin and Cryptocurrency Technologies](#): by Princeton University on Coursera. Completed on June 2015.
- [Machine Learning Foundations](#): A Case Study Approach by University of Washington on Coursera. Certificate earned on October 12, 2016