Igor Malovitsa

Contacts

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About myself

I'm a software engineer with 10+ years of commercial experience in IT industry.

I prefer problem solving over blaming.

I like to work in teams and discuss design decisions.

I know math and not afraid to use it.

Skills

Programming languages: JavaScript, TypeScript, Python, C#, Rust, SQL, Perl;

Experience with frameworks: Node.JS, .NET, Django, bottle, Qt5, ExtJS;

Solid experience with WebDev: HTML5, CSS3, SASS, React, WebGL, npm, Webpack, jQuery;

Solid knowledge of version control systems: git, svn;

Knowledge of basic *nix tools – bash, sed, grep, vim...;

Fast learning and flexibility;

Languages

English (Upper-intermediate)

Russian, Ukranian (Native speaker)

Employment experience

2016-04 – Present Senior Software Developer, DataArt

2015-07 – 2015-09 Senior Software Developer, Cốc Cốc

2012-08 – 2015-03 Software Developer, GlobalLogic

2012-03 – 2012-08 Sysadmin

2010 – 2012 WebDev freelancing

Project highlights

Deal Management System

Description: An equity investment company supports their own internal deal management system. Deal management is done in part via a set of rich web applications, which require continuous upgrades and support. Web apps complexity is ranging from simple CRUD interfaces to rich data visualisation and planning.

Team size: 8 people

Technologies used: C#, ASP.NET MVC, IIS, RavenDB, Node.JS, React, Webpack, bootstrap, Knockout.JS, Angular, HighChart

Responsibilities:

- communicating with the client
- designing web UI
- feature implementation
- debugging
- code review
- writing unit tests

CLI tools for controlling Data Exchange Infrastructure

Description: A Data Exchange provider needed a set of CLI tools to manage the infrastructure they provide. The responsibilities of the CLI tools included managing users, roles, containers, DNS records, etc. The CLI tools had to have a consistent interface and be modular, allowing selecting and extending tools. Pip package management was used to ease the installation and extension of CLI tools for the end-users.

Project duration: 8 months; Team size: 4 people

Technologies used: Python, pip, Node.JS, CoffeeScript, REST, Swagger, RabbitMQ, Docker

Responsibilities:

- team lead
- communicating with the client
- designing CLI interface
- documenting APIs
- feature implementation
- debugging
- code review
- writing unit/integration tests
- writing design documents
- writing man pages

Internal Browser Interfaces

Description: The goal of the project is to provide a rich, responsive and pleasant user experience in the Browser. Browser interfaces included a custom media player, download manager, settings, home page and more. Browser features included rich integration with media sites, acceletated browsing and downloads, custom input IME, and more. All of those features require a fine-tuned, responsive UI to attract and retain a large urerbase.

Technologies used: Node.JS, HTML5, React, Webpack

Responsibilities:

- communicating with the client
- designing UI
- feature implementation
- debugging
- performance optimization
- code review
- writing unit tests

Web interface for business logic simulation

Description: an equity firm has complex logic written entirely in XLS files, and the goal was to automate, scale and speed up the process of simulating business logic for profit optimization.

The project was split between SPA client written in React.JS and a C# server that processed business logic

Team size: 10 people

Technologies used: C#, ASP.NET MVC, IIS, Node.JS, React, Webpack, bootstrap

Responsibilities:

- UI team lead
- communicating with the client
- feature implementation
- debugging
- code review
- writing unit tests

Travel company front page and booking

Description: a well known travel company has a rich front page which requires continuous support and upgrades. Major tasks included implementing an OAuth2 integration for corporate clients, media-rich elements on the front page, analyzing loading times and speeding up the loading time.

Team size: 7 people

Technologies used: React, Next.js, Contentful, Phraseapp, Docker, Angular, SCSS, Node.JS, WebPack, OAuth2, Ruby, Rails

Responsibilities:

- communicating with the client
- feature implementation
-
- code review
- writing unit tests

Emergent Data Viewer

Description: The goal of the project was to implement a native crossplatform application to view detailed reports produced by a portable device and allow the user to route the data to different locations.

Project duration: 18 months; Team size: 6 people

Technologies used: C++, Qt5, SOAP

Responsibilities:

- feature implementation
- developing Qt5/QML UI
- debugging
- implementing scripts for CI
- writing unit tests
- code review
- writing design documents
- documenting project architecture

Backup and Recovery Web Console

Description: The goal of the project was to create a simple web-interface and API for a powerful backup solution. The application provided realtime data updates and transaction safety. Web interface had a good coverage of underlying backup features.

Project duration: 14 months; Team size: 8 people

Technologies used: Python, JavaScript, HTML5, SASS, ExtJS, jasmine, REST

Responsibilities:

- API design
- developing web UI
- developing API backend
- debugging
- writing unit test
- implementing scripts for CI
- writing deployment scripts
- code review
- communicating with clients

Media recording system

Description: The goal of the project was to record media from distributed sites. Application used a distributed storage system. The recording had to be done automatically on pre-set schedule. The application was controlled using a simple web interface.

Project duration: 8 months; Team size: 3 people

Technologies used: Python, Django, REST, JSON, JavaScript, jQuery, SASS, ffmpeg

Responsibilities:

- API design
- feature implementation
- product deployment
- developing web UI
- developing backend
- database migration
- communicating with clients

Education

2014 Cryptography I, Stanford University Online Course

2006 – 2012 V.N. Karazin Kharkiv National University, Physical and Technical Faculty, master's degree (experimental nuclear and plasma physics).