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# Danko Kozar

## Front-End Developer

Dublin, Ireland

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### SKILLS

- GUI (graphical user interface) expert / framework builder
- Technologies: HTML5 / CSS3 / Javascript / ReactJS
- Deep understanding of GUI frameworks / internals / APIs / performance / optimisation
- Innovative, problem solving, great analytical skills, strong object-oriented design and development skills
- Open source projects: [edriven](#), [edriven-gui](#), [react-data-menu](#), [react-liberator](#), [raycast-dom](#)
- UX developer (DevUX)
- Git, testing, continuous integration, Agile, Scrum
- Master of Engineering (M. Eng.)

### EXPERIENCE

#### **Zalando, Dublin** - *Senior Software Engineer*

OCTOBER 2015 - CURRENT

- Delivering great user interfaces for an innovative company using the [Open Source First principles](#) and [Radical Agility \(https://github.com/zalando\)](https://github.com/zalando)
- *Technologies: HTML5, CSS, Javascript, ReactJS*

#### **Amazon Data Services Ireland, Dublin** - *Web Development Engineer II*

MAY 2015 - SEPTEMBER 2017

- Making CloudWatch user interfaces beautiful (<http://aws.amazon.com/cloudwatch/>)
- [CloudWatch](#) is the service that gives customers actionable visibility into the health of their applications and systems. Key features include web services for submission and retrieval of measurements, a console for presentation, and the ability to notify and automate based on results. Teams in CloudWatch solve problems of massive telemetric data scale, distributed systems/cloud computing, data visualisation, and workflow.
- *Technologies: HTML5, CSS, Javascript, ReactJS*

#### **RealNetworks, Zagreb** - *Senior Software Development Engineer*

APRIL 2014 - MAY 2015

- Member of RealPlayer Cloud / RealTimes team (<http://real.com/>)
- Working on [RealPlayer Cloud Xbox One media](#) app, available at Microsoft store
- Built the UI layer of the app (display, interaction and animation)
- Solved multiple problems of Microsoft's XboxJS framework

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- Reverse-engineered and fixed XboxJS TabView component and contributed to Microsoft for the next iteration of the framework; shared the new TabView code with MS Forum members
  - Attended Xbox One Developer Labs in Redmond (Microsoft HQ)
  - *Technologies: HTML5, CSS, Javascript, WinJS*

### **Five Minutes, Zagreb** - *HTML5 / Javascript Developer*

FEBRUARY 2014 - APRIL 2014

- [Chromecast](#) app development using Javascript
- Member of a dedicated team of developers working for RealNetworks (the team was later acquired by RealNetworks)
- *Technologies: HTML5 / Javascript / Google Closure*

### **Adjungo, Zagreb** - *Framework Developer / CEO / owner*

OCTOBER 2013 - FEBRUARY 2014

- Designed and implemented [eDriven RIA framework](#) for [Unity3d](#) game engine
- Open-sourced the framework (<http://github.com/dkozar/edrive-gui>) and published as an [add-on at Unity Asset Store](#) (Asset Store is used by developers for retrieving resources for their applications and games)
- eDriven introduces asynchronous, event-driven programming, as well as unique GUI system with API exposed to C# scripting
- Framework uses best practices of GUI framework architecture: event dispatching mechanism, asynchronous operations, display list (composite pattern), component lifecycle, invalidation-validation mechanism, styling, skinning, layout engine, dialogs and popup manager, cursor, focus and tab management and many others
- *Technologies: Unity3d, Mono, C#, .NET*

### **Asseco SEE, Zagreb** - *Senior Software Developer*

APRIL 2011 - OCTOBER 2013

- Implemented “IVR Editor” application. Browser-based editor for building IVR. Includes graphical editing of the proprietary project file and its compilation to (CCXML/VXML) files. *Technologies: Javascript (ExtJS, client), PHP (Zend Framework, backend)*
- Designed and implemented “Agent Shift Management” application. Call centre schedule auto-generation application based on complex metrics (previously recorded traffic, call centre rules and agent preferences). Editor of generated schedules (Gantt chart-like editor with selection, zoom and drag and drop functionality). Exporting to HTML and Excel. Designed the XML protocol for exchanging input and output data and implemented communication with Java engine. *Technologies: Adobe Flex (client), PHP (Zend Framework, server)*
- Implemented “Scripter” module for our enterprise system. Browser-based editor for building wizards, forms, questions and scenarios. Application used by sales for direct sale process automation. *Technologies: Javascript (ExtJS, client), PHP (Zend Framework, backend)*

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- Implemented and developed “VOIP Phone” component. Skype-like communication between client’s browser and telephone line (with user interface having a numeric keyboard and camera display). *Technology: Adobe Flex*

### **Adjungo, Zagreb** - *Software Developer / CEO / owner*

2011

- On-site consulting for Adobe LiveCycle vendor
- Designed and implemented Flex 4 client for Adobe LiveCycle
- *Technology: Adobe Flex*

2010-2011

- On-site consulting for the company developing a 3D shopping mall
- Designed and implemented a number of 3D and 2D concepts used by the application
- *Technologies: Unity3d (client), ASP.NET (backend)*

### **Biro Data Servis, Zagreb** - *Senior Software Developer*

2008 - 2010

- Designed and implemented “Document2Go” application. The application is being used by mobile telephony operator for searching, accessing and delivering documents needed by customers (via email, fax and other channels). The application retrieves data from FileNet (DMS) and Oracle Database. *Technologies: Adobe Flex (client), ASP.NET (backend)*
- Designed and implemented touch screen applications for Digital Signage screens. Applications are being used by the company having a digitized library of technical drawings. Simplified search and retrieval of documents. *Technologies: Adobe Flex (client), ASP.NET (backend)*

### **Ice Systems / Ice Solutions, Zagreb / Ljubljana** - *Software Developer*

2005 - 2008

- Implemented client-side for Reporting application (OLAP system). *Technologies: Javascript (client), ASP.NET (backend)*
- Implemented a number of Javascript / ExtJS controls used by company projects. *Technology: Javascript (ExtJS)*
- Implemented “Fault Management Configurator” application. *Technologies: Adobe Flex (client), ASP.NET (backend)*

### **T-mobile (Hrvatski Telekom), Zagreb** - *BSS Specialist*

1999 - 2005

- Operating BSS, BSC and OMC systems
- Implemented intranet application for generation of quality of service reports using the GSM network measurement data. *Technologies: PHP, SQL Server*

## **EDUCATION**

### **Faculty of Electrical Engineering and Computing, Zagreb** - *Master of Engineering*

- Radio-communications and Professional Electronics

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- Graduation paper: Electronic Music Synthesizers

## **INTERESTS**

- GUI framework architectures and implementations
- user experience design (UX)
- computer game programming
- music production (synthesizers, studios, composition)
- chess