

# Andrew Kovalenko

## Staff Software Engineer

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**Open for relocation to Austin, TX or Seattle, WA**

## EXPERIENCE

**12 years in software development, 4 years as software architect / technical lead**

## SKILLS

*Languages:* **JavaScript/ECMAScript/TypeScript, HTML5, CSS3, Less, SCSS, Go, C#, Elixir, Ruby, Swift, SQL, Java**

*Platforms:* **Node.js, .NET, AWS, BEAM, Unix, iOS, Android**

*Frameworks:* **React, React Native, Redux, GraphQL, RxJs, Restify, HAPI, Angular.js, ASP.NET MVC, Apache Cordova, Entity Framework, Backbone.js, Knockout.js, jQuery**

*Tools:* **Webpack, Rollup, Docker, ESLint, Jest, Mocha, XO, Ava, Gulp, Grunt, Yeoman, Git**

*Methodologies:* **Agile Scrum, Kanban, Waterfall**

*Leadership:* **Business Focus, Risk Assessment, Problem Solving, Mentoring, Recruiting, Planning, Engineering capacity and Task Complexity Estimation**

## SUMMARY

I'm a tech geek and [STEM](#) evangelist. I started working on my degree in computer science 2002 as a student of National Aerospace University of Ukraine. I have got my bachelor's degree in 2006 and graduated with **master's degree in Computer Science** in 2009. Programming is not only my job it is also my hobby. Despite 12 years of experience in software development I don't stop to learn new tools and technologies but at the same time I pay a lot of attention to fundamental software design principles like [SOLID](#), [DRY](#), [KISS](#) and [design patterns](#). On all my projects I follow software architectural approaches such as [N-tier](#), [CQRS](#) and [Microservice Architecture](#) which in combination with "**clean code**" habits allow me to keep software solutions well-structured and easy-modifiable.

I prefer to deeply understand programming languages and platforms I use and discover "pros and cons" using them for solving different problems rather than blindly follow a "hype".

I always pay attention to performance of solutions I provide as well as to syntactic constructions and design approaches, I apply. This allows me to identify and solve a good number of issues on early development stage preventing them from leaking on production environment.

I'm a **team player** and pay a lot of attention to healthy atmosphere in the team. My philosophy as a tech leader is **every team member's opinion is equally valuable** regardless of member's title and role on the team. I enjoy **mentoring people** on both technical and career growth aspects but at the same time I try to learn from them as well. [Pair programming](#), technical design discussions and whiteboarding sessions are common practices in the team I lead.

## WORK HISTORY

### ServiceNow

September 2018 – now

**Project:** ServiceNow Platform Search  
**Role:** Tech Lead  
**Technologies:** Virtual DOM, Web Components, JavaScript / ES6, GraphQL, Java, MySQL, Search Algorithms, Named-Entity recognition with Machine Learning  
**Responsibilities:** **Lead a development team** responsible for creating next generation search experience. **Drive architectural discussions** with the team, create technical design, choose technologies and tools. Develop core components of the new search system, mentor engineers, conduct code reviews and provide technical support to ServiceNow customers. Define priorities and ways to deliver new features, run Agile process meetings and hire engineers.

### Intuit

December 2014 – August 2018

**Project** TurboTax Online (<https://turbotax.intuit.com>)  
**Role:** Tech Lead  
**Technologies:** Node.js, REST, React, React Native, Redux, HTML5, CSS3, JavaScript / ES6, Mocha  
**Responsibilities:** **Led development** of innovative customer experiences as well as core modules of the product. Drove technical design discussions, **chose technologies/tools** and contributed to moving TurboTax Online product to cloud-based platform and switching from legacy front-end solutions to React.

**Project** Fuego framework  
**Role:** Senior Software Engineer  
**Technologies:** React, React Native, HTML5, CSS3, JavaScript / ES6, Jest  
**Responsibilities:** Contributed to development of “semantic UI” framework for Web, iOS and Android platforms. **Drove architectural discussions**, chose technologies and **led development** of mobile versions of the framework. Moved existing customer experiences to a new framework.

### UIT

September 2013 – January 2016

**Project:** Mobin  
**Role:** Software Architect  
**Technologies:** Node.js, HAPI, Angular.js, Gulp, HTML5, CSS3, Less, PhoneGap/Cordova  
**Responsibilities:** **Created technical design and architecture.** Developed core functionality of the application. Led development team, acted as a mentor for engineers, drove Agile process. Was responsible for interviewing candidates for engineering positions.

**Project:** Order tracker  
**Role:** Software Architect  
**Technologies:** Node.js, HAPI, Angular.js, Gulp, HTML5, CSS3, Less  
**Responsibilities:** Led development of the application according to provided technical design. Drove meetings with customers, was responsible for identifying customer product requirements and translating them to technical tasks.

## Tillster

May 2014 - December 2014

**Project:** Burger King Mobile App (<https://www.bk.com/app>)  
**Role:** Tech Lead  
**Technologies:** Cordova, Angular.js, HTML5, CSS3, SCSS, Grunt, Yeoman  
**Responsibilities:** Created technical design and built architecture of a new platform for hybrid mobile applications. Developed framework which allows to generate mobile applications and reuse generated modules, led development of new platform and applications based on it. Created infrastructure for continues integration and deployment of mobile applications.

## CTI

June 2013 – April 2014

**Project:** PBS  
**Role:** Senior Software Engineer  
**Technologies:** ASP.NET MVC, HTML/CSS, JavaScript, Knockout.js, Sammy.js, Entity Framework, MS SQL, AutoFac dependency injection, AutoMapper  
**Responsibilities:** Developed core features of the application, took active part in making technical design decisions, mentored teammates.

## UA Rank

Nov 2010 – May 2013

**Project:** MMIT  
**Role:** Staff Software Engineer  
**Technologies:** ASP.NET MVC, HTML/CSS, JavaScript, Backbone.js, Dapper ORM, MS SQL, AutoFac dependency injection, AutoMapper, CQRS  
**Responsibilities:** Took active part in development of internal CQRS framework, developed reporting and analytics modules, integrated project with payment systems.

**Project:** Social Putts (<https://socialputts.com/>)  
**Role:** Senior Software Engineer  
**Technologies:** ASP.NET MVC, HTML/CSS, JavaScript, Knockout.js, Entity Framework, MS SQL, AutoFac dependency injection, AutoMapper, N-tier  
**Responsibilities:** Led development, developed architecture and acted as a team manager of this project.

## Khartep

May 2008 – Oct 2010

**Project:** ESMS  
**Role:** Software Engineer  
**Technologies:** C++, WinForms, Oracle DBMS, Oracle RAC  
**Responsibilities:** Worked as a software developer of a high-load, real-time automated management system of a Ukrainian electrical network.

## TEC-3

Aug 2007 – Apr 2008

**Project:** WHeat  
**Role:** Software Engineer  
**Technologies:** C++/.NET C#, WinForms, Oracle DBMS  
**Responsibilities:** Worked as a software developer of a real-time data analytics system for electrical generators management.

## EDUCATION

2002 – 2009  
**Graduated as:** Ukrainian National Airspace University  
**Master of Science in Computer Science**