

# Kevin Reed

Full Stack Web Developer

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Kevin has been a full-stack web developer since 2012. He can

- 🏠 build scalable and maintainable web applications with React, Angular, and ASP.NET
- 🏗️ design and implement DDD and CQRS driven architecture
- 🚀 automate zero-downtime application deployments to scalable cloud environments
- 🗄️ design and maintain databases, caches, and servers
- 😊 design and implement CSS based UIs

He is passionate about modern web frameworks, architecture and design patterns, and saving time and money by solving real-world problems.

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## Experience

### Frameworks & Languages

**Currently Using/Expertise:** Javascript, Typescript, React, Redux, Angular, NgRx, SCSS, Webpack, ESLint, TSLint, Prettier, Babel, npm, C#, ASP.NET Core, ASP.NET Web Forms, Hangfire, MediatR, MassTransit, Autofac, FluentValidation, Entity Framework, T-SQL, PL/SQL, PL/pgSQL, Redis, RabbitMQ, Git, SSH, REST, SAML 2.0, OAuth, Docker, Kubernetes, Azure, Nginx, Visual Studio Code, Windows Terminal

**Proficient:** jQuery, Angular, HTML5, CSS3, VB, IIS, Web Farm Framework JSON, Node.js, Grunt, Gulp, Browserify, Ruby on Rails, Jenkins, MSTest, MSBuild, PowerShell, Visual Studio, Sublime Text, SQL Server Management Studio, SVN, JSHint, Microsoft Ajax Minifier, Windows Services, Telerik UI for ASP.NET AJAX, XML, ASP.NET MVC, WCF, SlickGrid, Mocha.js, Chai.js, Sinon.js, Blanket.js, Express.js, Ember.js, Phaser.js, Firebase, Google Cloud Platform, WebDAV, VMWare Fusion, RequireJS

**Academic:** Java, ColdFusion, C, PHP, MySQL

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## Work History

**Full Stack Web Developer** Mar 2020 - current

### International Paper

Full-time remote as a **Contractor** through [Vaco](#)

- Built a manufacturing tracking system using ASP.NET, MediatR, MassTransit, RabbitMQ, Angular, NgRx, and Oracle.
- Utilized DDD and CQRS patterns to ensure bounded contexts within microservices.
- Practiced agile scrum over 2 week sprints in multiple teams that make up a ~40 developer organization.

**Full Stack Web Developer** (5 years) Dec 2014 - Mar 2020

### Speak Creative

Promoted to **Senior Web Developer** in 2018

Promoted to **Senior Solutions Architect** in 2020

- Architected, estimated, built, tested, documented, and deployed features to meet real-world requirements for clients.
- Built features and fixed bugs in [SiteWrench](#) using frameworks like React, Angular, ASP.NET Web API, ASP.NET Web Forms, SQL Server, and Redis.
- Implemented continuous integration for ASP.NET applications with Jenkins
- Implemented [zero-downtime deployment scenarios for ASP.NET applications with IIS Web Farm Framework](#)
- Administered load-balanced ASP.NET applications on Windows 2012 servers
- Internally published reusable React components and Javascript libraries
- Administered SQL Server databases
- Implemented response output caching using Redis
- Built custom web applications with ASP.NET Core and React
- Deployed scalable web applications to Azure
- Refactored a large brownfield VB application to C#
- Implemented SSO solutions for enterprise authentication providers alongside standards like SAML 2.0

- Built Windows deployable web applications from the comfort of a Macbook Pro running Windows using VMWare Fusion

## Full Stack Web Developer (2.5 years) July 2012 - Dec 2014

### e-Builder, Inc.

Implemented user enhancements to a large scale ASP.NET WebForms web application using a variety of client and server side technologies including Javascript, HTML, CSS, ASP.NET WebForms, Telerik UI for ASP.NET AJAX, SlickGrid, T-SQL, SQL Server 2008, JSON, XML, Windows Services, WebDAV, FTP and more.

- Worked on an agile scrum based team iterating over two week sprints.
- Built a Javascript framework that used SlickGrid to display thousands of rows of editable data. This made sure that the DOM stayed small so that users could view thousands of data rows without any performance impact. Also created many SlickGrid plugins and custom cell editors to satisfy business requirements.
- Made a ASP.NET DataGrid editable by building a Javascript component to pull and push data from a DataGrid to a web service.
- Wrote a [Javascript style guide](#) that was used by the developers at e-Builder, Inc.
- Trained developers on how to write structured Javascript using modular design patterns.
- Used Microsoft Ajax Minifier to implement concatenation and minification of Javascript and CSS files on ASP.NET Master pages, and used the minifier on many other projects to bundle scripts. Trained other developers on how to use the Microsoft Ajax Minifier.
- Evaluated e-Builder's web application for Section 508 compliance, and trained developers and QA analysts on how to create Section 508 compliant web applications.
- Created a ASP.NET UserControl that wrapped a Telerik RadGrid to reduce the time it took developers to build data grids with recurring acceptance criteria.
- Implemented the capability to edit Microsoft Office documents directly from a web application by using WebDAV.
- After e-Builder dropped support for IE7, I trained the development team on the Javascript APIs and CSS selectors that became available when IE8 was released like `querySelector`, `querySelectorAll`, `localStorage`, `sessionStorage`, `hashchange` event, `JSON.stringify`, `JSON.parse`, `:after` and `:before` pseudo elements, `box-sizing`, etc. View the slides at [kevinareed.com/ie8](http://kevinareed.com/ie8).
- Implemented the first Javascript test suites and code coverage metrics for e-Builder's web application. Used Mocha.js, Chai.js, Sinon.js, and Blanket.js.

## Intern Web Developer (4 months) May 2011 – August 2011

### Datatel, Inc. (now [Ellucian](#))

Developed a ASP.NET MVC 3 web site together with a team of interns, developed a WCF web service, and developed a Microsoft Outlook 2010 Add In.

- Spent a week researching domain driven design, dependency injection, inversion of control design patterns, and n-layered architecture.
- Worked alongside database developers and business analysts to develop web applications.

## Freelance Web Developer (3 months) June 2010 – August 2010

### Ender Güvercin

Created a [portfolio website](#) from scratch for the guitar luthier Ender Güvercin to better showcase his workmanship.

- Used jQuery for the first time (my first awakening to Javascript).
- Created the website by hand without a template.

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## Education

### Union University (Jackson, TN) GPA: 3.16 / 4.0 2008 - 2012

#### B.S. Computer Science

Programming classes were taught using C, C#.NET, and Java, and focused on the principles of software engineering, as well as programming logic. Web application classes were taught using HTML, CSS, JavaScript, ColdFusion, PHP, and MySQL, and focused on database design and web application logic.