Kevin Reed
Full Stack Web Developer

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Kevin is a full-stack web developer with experience building maintainable and scalable Javascript and ASP.NET web applications, automating zero-downtime application deployments to scalable cloud environments, and maintaining databases, caches, and servers. He is passionate about Javascript and modern web frameworks, architecture and design patterns, and solving real-world problems.

Experience

Frameworks & Languages
Currently Using/Expertise: Javascript, React, Redux, Webpack, ESLint, Prettier, Babel, npm, C#, ASP.NET Core, ASP.NET WebForms, Hangfire, T-SQL, SQL Server, PostgreSQL, Redis, Git, SSH, REST, SAML 2.0, Docker, Kubernetes, Azure, Nginx, Visual Studio Code
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

MCSD: Web Applications
⊘ Passed Exam 70-480: Programming in HTML5 with Javascript and CSS3
🕮 Studying Exam 70-486: Developing ASP.NET MVC Web Applications

Work History

Full Stack Web Developer Dec 2014 - current

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.
- 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.

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.