Jeffrey Koch

Software Engineer

Santa Ana, CA
✉ jeff@meinstein.org
🖥 github.com/jrkoch

Experience

As a consultant employed by xRM.com, 2003–Present

2012–Present — **Sr Application Developer**, Los Angeles Unified School District.

Part of the My Integrated Student Information System (MiSiS) product team that developed a .NET web application to track all data points related to students. Made extensive use of LINQ-to-Entities, T-SQL stored procedures, and custom ASP.NET user controls.

- Created a single-page HTML5/Knockout.js Gradebook application backed by an ASP.NET MVC JSON API to track student's assignment grades and calculate course grades, exporting final grades to MiSiS
- Implemented key components of MiSiS, including grades tracking, GPA calculations, and graduation requirements fulfillment
- Worked closely with QA, Subject Matter Experts, and Business Analysts on a cross-functional Agile Team

2011–2012 — **Lead Developer**, xRM.com Internal Projects, Irvine.

Designed and implemented a solution that met business requirements to automatically generate and track electronic signatures on Statements of Work for upcoming development projects

- Integrated third-party APIs including DocuSign, Microsoft Dynamics CRM, and Microsoft SharePoint.

2004–2011 — **Lead Developer**, Retirement Plan Advisory Group, Lake Forest.

Led an international team of 5 developers to create several customer-facing applications related to employee-sponsored 401(k) and 403(b) plans and a Single Sign On system to connect them.

- Decreased 401(k) plan Request for Proposal turnaround time from several days to a few hours, with custom responses from multiple plan vendors
- Simplified plan document delivery to client plan sponsors and independent plan advisors through a highly customized front-end to Microsoft SharePoint
- Integrated analytic data on plan vendors and individual investments, displayed in Microsoft Office documents and PDFs as user-friendly charts and tables
- Extensive use of the OpenXML SDK to both generate and parse Microsoft Word and Microsoft Excel documents
- Rapid development cycles with multiple releases per week

Personal Projects (FOSS on GitHub)

2014 — **hatemap**, Mobile-friendly web page that consumes the Twitter and GMaps APIs to display a real-time map of nearby tweets.

2013–2014 — **Bicycle Tree Scheduling**, Rails 4 application that allows volunteer bicycle mechanics to schedule themselves as workshop leads.

2013 — **Stretch Timer**, Android app that provides a timer for user-defined stretch routines.

Education

2005–2009 — **Bachelor of Science**, *The University of California*, San Diego.
Physics, General

Technical Skills

Languages	C#, JavaScript, T-SQL, Ruby, PHP
Web	HTML5, CSS3, Firebug, jQuery, Knockout, Underscore
Frameworks	Web Forms, ASP.NET MVC, Entity Framework, Ruby on Rails
Misc	IIS, Microsoft SQL Server, Team Foundation Server, SVN, Git