EDWIN W. MEYER

PRINCIPAL SOFTWARE ENGINEER

Chicago, Illinois
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Current specialty: Ruby on Rails design and implementation

I'm an MIT grad software engineer with 15+ years full life-cycle experience, from requirements gathering, design & development to maintenance. I have been working in Ruby since 2008. Previously I had developed in C, C++, and Java. I also have training, authorship, consulting, and liaison experience.

EDUCATION

Massachusetts Institute of Technology. B.S. Electrical Eng. National Merit Scholar.
Harvard University. Graduate extension school coursework in expert systems, C++, object-oriented programming, and discrete mathematics.

WEB LINKS

http://www.edwinmeyer.com – My professional web site.
http://linkedin.com/in/edwinmeyer – Includes recommendations from colleagues.
http://github.com/edwinmeyer – Contains several tutorials, coding and design demo projects.

RECENT EXPERIENCE

Highlights of my over thirteen projects since 2008, all involving Ruby on Rails with a mix of primarily server-side and ancillary technologies plus front-end development.

University of Illinois Medical School (Chicago, IL) October, 2017 – February, 2018

· Updated an existing Ruby on Rails web application deployed on Heroku that allows medical study managers to create and schedule a suite of messages to be emailed to study participants. Updates include implementation of user roles and multi-tenancy, which allows a single application instance to host multiple studies.

   Environment: Ruby on Rails 5, Postgres SQL, Heroku.

Home Access Health Corp. (Hoffman Estates, IL) June – July, 2017

· Provided initial design and implementation of a Ruby on Rails web application pending hiring of permanent resources. This application is a port of an existing PHP web app. that allows health insurance customers to order lab test kits online to be performed at home.

   Environment: Ruby on Rails 5, Amazon Web Services, Single Sign-On.

Pinnacol Assurance (Denver, CO) March, 2016 – February, 2017

· Member of the *Online Development* group of Colorado's largest issuer of workers' compensation insurance policies.
· Performed development and bug fixes on a suite of Rails web applications that allows employers and agents to manage policies and claims by injured workers.
· Temporarily assigned to the *Business Support* group to investigate and fix issues related to both the Rails and legacy Oracle Pro*C web applications. Familiarization with a wide variety of subsystems to make fixes with a minimum of support.

   Environment: Ruby on Rails 4, Oracle SQL, Git, Rspec, Mac OS X.

Huron Consulting Group (Chicago, IL) March – June, 2015

· Performed development and bug fixes for a legal document management system produced by Huron partner Allegory Law.
· Worked primarily remotely, interacting with the lead Allegory developer in Oregon.
  Environment: Ruby on Rails 3, Postgres SQL, Git, Paperclip, Vagrant, Resque, Rspec, Jira, Haml, jQuery, JavaScript, Mac OS X.

Cars.com (Chicago, IL) August 2014 – March 2015

· Performed analysis, maintenance, and build-out for Auto.com, a high-volume AWS-hosted multi-server application that provides new and used auto listing search to the public.
· Worked on-site and remotely as part of a small team located in Chicago and Austin, TX.
· Analyzed performance using New Relic and other techniques and proposed & implemented web app response improvements.
· Implemented app monitoring features in the ActiveAdmin UI.
· Documented briefings by departing general manager and others.
  Environment: Ruby on Rails 3, MySql, Git, RSpec, ActiveAdmin, Amazon Web Services, Sphinx, Vagrant, New Relic, Mac OS X.

Venture Interactive (Harrisonburg, VA) December 2013 – April 2014

· Designed and implemented a custom authentication scheme for a legal compliance training content management system in multiple languages using the Devise Ruby gem.
· Implemented custom authorization for access to various resources based upon the user's role and project-level & language access.
  Environment: Ruby on Rails 3, MySql, Git, Devise, Linux, RubyMine**.**

Op4G (Portsmouth, NH) March – August 2014

· Added new functionality and fixed bugs in the admin and public websites for an online market research firm.
  Environment: Ruby on Rails 3, MySql, Git, Linux, Resque, RubyMine**.**

McDavid, Inc. (Woodridge, IL) February 2013 – March 2014

· Assumed responsibility for deployment, maintenance, and improvement of the hybrid Rails/Windows Server website of a sports protection equipment manufacturer.
· Researched application features. Created a Rails development environment, Linux and Windows test servers, Git repository, and configured Capistrano for software deployments.
· This was a part-time and completely remote role.
  Environment: Ruby on Rails 3, MySql, Git, Capistrano, Refinery, Ubuntu Linux, Windows Server 2008, IIRF.

Sears Holdings Corporation (Chicago, IL) October 2012 – November 2013

· Designed and implemented features of a REST API that mediates between product orders placed on partner web sites and internal Sears services which perform fulfillment.
· Implemented order tracking features in the Admin UI and order status reports.
· Provided operational support, investigated partner issues and software defects.
  Environment: Ruby on Rails 3, MySql, Mongo DB, Git, RSpec, ActiveAdmin, Jenkins, Jira, Mac OS X, Agile Methodology.

Local Offer Network (Chicago, IL) February – May 2012

· Designed and implemented Bayesian and other statistical modules for automatic categorization of new advertiser offers. Created a companion test program to analyze performance of the categorizers.
  Environment: Ruby on Rails 3, Mongo DB, MySql, RubyMine, Git, RSpec, Mac OS X.

Aon Hewitt Corp. (Lincolnshire, IL) May 2011 – January 2012

· Designed and implemented new Ruby on Rails functionality for extensions to an existing health insurance sales and customer relationship management system and companion public-facing website.
  Environment: Ruby on Rails, Oracle, RubyMine, Subversion, Mac OS X.

Argonne National Laboratory (Lemont, IL) August 2010 – January 2011

· Designed and implemented a radiation exposure management system in Ruby on Rails.
· Interviewed radiation safety section staff regarding existing paper-based system.
· Performed analysis and design. Implemented the replacement web application.
  Environment: Ruby on Rails, Oracle, Ubuntu Linux, HTML, CSS, Subversion.

Metromix.com (Chicago, IL) December 2009 – March 2010

· Designed and implemented the mobile version of a leading entertainment website targeted towards the 21-35 age group in Ruby on Rails.
  Environment: Ruby on Rails, MySQL, Mac OS X, HTML, CSS, Haml, Git.

Venture Interactive (Harrisonburg, VA) December 2008 – September 2009

· Developed the "MoodManager" Ruby on Rails web application to help users cope with depression. Delivered to the Northwestern University Medical School.
· Assumed responsibility on short notice after the original lead developer left the project.
  Environment: Ruby on Rails, MySQL, HTML, CSS, Subversion, Adobe Flash, Apache, Phusion Passenger, Windows XP (development), **Linux** (hosted Red Hat/Ubuntu).

OTHER EXPERIENCE – HIGHLIGHTS

· **Digimarc Corporation** (Burlington, MA) & **Polaroid Corp.** (Bedford, MA) – Analysis, design and implementation of several drivers license systems. (Java J2EE & C++)
· **Lotus Development Corp.** – *Sales Engineer* - Munich, Germany. Provided support and trainings in German on Lotus Notes for value added resellers and customers.
  Principal Software Engineer – Cambridge, MA. C-API development for a database product.
· **M.I.T. Project MAC** – *Staff Member* - Cambridge, MA. MULTICS operating system development including: ARPANET software interface, graphics system, system internals.

OTHER

· Competent in German; studied Russian.
· U.S. Citizen.