Jesse Cooke

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qualifications

I am a well rounded technologist. I am specializing in Ruby and Rails projects now, but have been an integral part in several large Microsoft .NET projects over the years. I have extensive experience with both front end and back end development and thoroughly enjoy learning new technologies. I truly believe in the open source movement and try to give back when possible.

experience

jc00ke llc

2009 - present

Renewable Funding

Repaymnt Estimatr

renewfund.com
Consultant

- Wrote a loan estimation library so potential applicants can get a good-faith estimate of their total loan costs.
- Worked through a massive spreadsheet and ported expressions into Ruby
- Used Rspec to both describe & unit test
- Used Sinatra as the entry point to the library

Carver Climbing Club

Membership Renewal Drive System

members.carverclimbingclub.org
Consultant

- Built a system to help a local climbing club with a membership renewal drive that will bring all member records into a web application built with Ruby on Rails
- Helped stakeholders understand how technology can benefit the club
- Designed workflow for offline/online membership renewal as part of project proposal

Sitka Technology Group

Member Initiation Prototype

sitkatech.com
Contractor

- Built a scenario management system in Rails that was used to demo a new system to Sitka's client's client.
- Can't say much because of the NDA.

Portland Rock Gym

Email Marketing System

portlandrockgym.com
Consultant

- Designed scheduled task to email members a notification that their membership will be expiring soon
- Built the system in Ruby, on Windows, using the Sequel database library and the Rake task system
- Interfaced the system with Microsoft's Retail Management System (RMS) backend database (SQL Server 2005 Express) and helped client understand the schema of the database

Bystander Productions

Website

bystanderproductions.com
Consultant/Developer

- Built out the website using the Refinery Content Management System (a Rails CMS)
- Researched different CDN options for video playback

Brightworks

Website Audit

brightworks.net
Consultant

- Performed a website audit for client to help them understand both qualitative and technical pros and cons of their current website
- Delivered the audit within 2 business days of being hired in accordance with client's immediate time line

Personal Projects

Restis

Restis on Github
Lead Developer

- A REST interface for Redis
- Uses Sinatra as HTTP interface
- Will attempt to map all Redis commands to REST methods

Springee

Lead Developer

- On hold for the moment
- Springee is an online persona management application that will allow users to manage all their social networking and contact information in one place. This will allow users to share one link that serves as their online contact card.
- Building with Rails 2.3.5, MongoDB (through MongoHQ) and Heroku

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Swipht Technologies

2005 - 2009

Portland State University

Graduate Business School CMS

gradbusiness.pdx.edu
Systems Architect, Lead Developer and Systems Administrator

- Designed a flexible content management system (CMS) that allowed business users at the school to create, edit and delete pages along with uploaded assets

- Chopped designs by 3rd party agency into clean HTML, using unobtrusive Javascript techniques for functionality among the pages
- Helped set up production server using Suse Enterprise Linux 11

Graduate Business School Search Engine Optimization

Technical Researcher and Developer

- Helped client understand what technical improvements could be made to the front-end of their website to help with performance and SEO
- Created dynamically generated sitemap.xml for search engines
- Added custom 404 page with Google Site Search
- Revamped the front-behavior to be completely unobtrusive

New York Law School

File Upload Tool

upload.citylaw.org
Systems Architect, Lead Developer and Systems Administrator

- Researched, designed and developed an FTP replacement tool
- Built tool using Ruby, Sinatra and Passenger that allowed users to create/rename/move/delete files and folders within their user directory using a web interface
- Set up a basic Content Distribution Network (CDN) that allowed users to securely link to uploaded assets
- Tool was immediately used to manage around 30,000 files across approximately 50 users
- Tool was developed with Agile method in 2 week time frame

OHSU School of Nursing

SBEAN Prototype

Lead Developer and Business Analyst

- Helped client design a prototype web application to provide auxiliary learning materials for nursing students
- Built prototype with Google Maps and jQuery using CSS3 features
- Implemented custom controls on the Google Map
- Implemented complex window and tab user interface that was completely unobtrusive in using Javascript with key bindings

Kettle Chips

Promotional Microsites

Lead Developer

- Worked with client and designer to come up with attractive and accessible micro-sites
- Implemented SEO and front-end performance best practices that yielded crisp markup that worked well with CSS on and off

Jobdango Business Systems

Jobdango 2.5

jobdango.com
Lead Developer

- Lead development on major front-end overhaul introducing location specific platform (based on IP address) and new pricing structure
- Used server-side caching to dramatically speed up page composition

Jobdango 2.0

jobdango.com
Lead Developer, Infrastructure/Systems Administrator and Email Guru

- Helped lead project to port application from Classic ASP to ASP.NET 2.0
- Developed system to support many affiliate sites with different tasks and designs
- Migrated themes to MasterPages system and revamped Affiliate theme support
- Set up test and production environments - production web and database servers hosted at Rackspace, worked with Rackspace teams to secure servers
- Designed email server systems to support sending tens of thousands of emails per day. Researched and solved blocking of legit emails marked as spam to Comcast and other email systems

Server Migration

Lead Developer, Systems Administrator and Project Manager

- Documented and designed comprehensive migration plan for moving the client to new web and database servers. Performed switch at go-live with no major issues
- Assigned tasks and facilitated communication among key figures
- Set up SQL Server 2005 with full-text indexes and IIS 6 to run multiple sites and applications

Howard S. Wright

WrightTrack Project Management System

Senior Developer and Database Analyst

- Designed and developed sophisticated logging component that writes to a variety of destinations (database, event log, email, etc) based on the type of event and the system's configuration settings
- Implemented automated, event driven notification system that emails users when project data relevant to their role changes
- Set up and integrated SQL Server 2005 Reporting Services for in-application reports, project forms and automated email attachments
- Designed a solution that uses the web services exposed by SQL Server 2005 Reporting Services to seamlessly integrate reports into other web-based applications

HSW Websites in Windows Sharepoint Services

hswenterprises.com
Lead Developer

- Worked closely with client to design site and transformed Photoshop comps into HTML + CSS for client review
- Implemented Windows Sharepoint Services (WSS) as a content management system using ASP.NET UserControls and the CAML query language

Centene Corporation

2003 - 2006

Information Services Department

Website Maintenance and Development

centene.com
Contractor

- Internship that lead to employment with a multi-state HMO
- Helped Centene create and maintain their numerous websites for HMO members and providers
- Researched application platforms for new round of websites and web applications

education

Washington University in St. Louis
    1999 - 2003 - B.A. Mathematics
Portland State University
    2004 - 2005 - Certificate in Web Technologies

ongoing

pdxrb
    Attend monthly Portland Ruby Brigade meetings featuring demonstrations on Ruby projects and techniques
pdxfunc
    Attend monthly Portland Functional Programming Study Group meetings featuring talks on the functional style of programming and writing of code to learn functional programming techniques
Javascript Admirers
    Attend monthly meeting on new Javascript techniques & libraries.

skills

Skill	Level	Experience
HTML and CSS	advanced	6 years
Javascript	advanced	5 years
C# and ASP.NET	advanced	5 years
SQL	advanced	5 years
Windows - Desktop and Server	advanced	5 years
Linux - Ubuntu and Red Hat, Desktop and Server	advanced	3 years
Ruby/Rails	intermediate	3 years
Photoshop	intermediate	5 years
Haskell and Erlang	beginner	less than 1 year