

Terrence Curran

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Summary

Software Architect and full stack developer specializing in advanced middleware implementations with a strong focus on software development life cycle automation, testing, and quality management. Experienced in building, organizing, and managing geographically distributed teams.

Recent Work History

Architect - Scholastic – 2013 - 2016

- Architected educational technology delivery platform and portal applications and three new ed-tech products
- Architected integration with new and legacy systems such as: IBM MQ, Oracle OTC, JDEdwards, Netsuite
- Led multiple teams of globally distributed developers
- Designed Agile SDLC process and oversaw implementation by multiple development teams
- Designed and implemented Continuous Delivery implementation that included build automation, static code analysis, enforced peer code reviews, integration testing, and server deployment.
- Led development of applications using Java EE7, JRuby, Rails, Angular, PhoneGap, Objective C, Swift, PHP
- Worked with QA and Perf teams to develop framework and practices for ATTD using Selenium and Cucumber
- Participated in corporate architecture governance to make strategy and purchasing decisions for the company
- Evaluated, selected, and managed multiple development vendors
- Oversaw migration of platform from a single datacenter to five geographically hosted zones using AWS and Peer1 cloud.
- Developed proof of concept applications to explore new technologies or implementations such as Java EE7, Node.js, Angular, JBoss, Docker, OpenShift, Fuse ESB, Mulesoft, WS02, Pentaho, Alfresco, Chef

Development Lead - Cramer – 2010 - 2013

- Worked on central data repository for storing patient and drug prescription data for Pfizer and EMD Serono. System used REST API and JMS Queuing to synchronize data across multiple stores and sites.
- Led teams building consumer facing applications for:
 - Rebif.com - Marketing site for Rebif
 - MsLifelines.com - Unbranded site for Rebif
 - Two additional Pfizer marketing sites for an unreleased drug
 - Ablebank.com - New charity centric bank
- Architected and built application for Pfizer and EMD Serono sales reps to manage patient data and in-person events.
- Worked on iOS application for Covidien sales reps to have access to talking points, video, and sales material when meeting with clients.

Technology:

Back-end: Java, .NET, MySQL, JBoss Seam, JBoss Drools, Alfresco, Sitecore

Front-end: Javascript, CSS3, HTML, HTML5 Video

IOS: Objective C, Core Data

Additional Recent Freelance Work

Dummies.com – 2016

Migrated site from proprietary CMS hosted in private datacenter to WordPress running on AWS Elastic Beanstalk. Worked with team to design methods to ingest, transform, and reorganize

content for better search engine and engagement optimization.

Technology: Wordpress, AWS, EBS, ELB, CloudFront, Jenkins

HUGE – 2013

TMNGo/HBOGo - Worked on back-end REST API for TMN version of HBOGo. API supports clients for IOS, Android, Xbox, and Samsung TVs.

Technology:

Back-end: PHP, Symfony2, MySQL

Rather – 2013

IOS application that allows users to filter their social feeds for Facebook, Instagram, and Twitter. App finds 'undesirable' content such as photos of babies, political posts, or ads and replaces the content with humorous, cute, or other more 'desirable' content.

Technology:

Client side: Objective-C, CoreData, JavaScript

Back-end: Ruby on Rails, MySql

Campfire – 2012

Silicon Valley Status - Promotional site for the show Start-Ups: Silicon-Valley on Bravo. The site encourages users to link their Facebook, Instagram, and Twitter accounts in order to receive a "Klout Like" influence score.

Technology:

Back-end: Ruby on Rails, PostgreSQL, MongoDB, Heroku

Front-end: Javascript, Angular, HTML5

BottleSociety.com – 2012

Site for cataloging and reviewing craft spirits in the US. Site connects with government databases to keep track of current and upcoming products from distillers.

Technology:

Back-end: Ruby on Rails, MySQL, MongoDB, EC2, S3;

Front-end: Javascript

Nicky Digital iPad Application – 2012

Application for a local photographer to use at events within one or more kiosks that allows event attendees to view photos in real time as they are taken and share them on Facebook, Twitter, or Tumblr.

Technology:

Client side: Objective-C, CoreData, RestKit

Back-end: Ruby on Rails, MySQL

Shortvid.com – 2012

Built a publicly consumable REST API for a video chat application. Server application included a live streaming video server, message queue, client pub-sub, and video-encoding platform.

Technology:

Back-end: Java EE6, Red5, Spring, Jax-RS, Jackson, HornetQ, FFmpeg, AWS

Front-end: Javascript, Actionscript, HTML5 video
Mobile client: Objective C

Wieden + Kennedy – 2011

Coke Cheers - Superbowl promotional site that allows people to take a picture with their webcam and 'cheers' a fan of the opposing team. Wrote client side code to detect the presence of a coke can within the photograph.

Technology:
Back-end: Java, Oracle, Python, C++, OpenCV
Front-end: Actionscript, Javascript, HTML, CSS3

Jack Morton – 2010

US Census Tour Kiosk & Display - Built multiple standalone applications for kiosks and billboards for the US Census Road Tour. Application allowed users to record video, audio, and photographs at the kiosks. Data from multiple tour trucks was then synchronized, curated, distributed to the other trucks for people to view and interact with.

Technology:
Client-side: Flash/Actionscript, C++
Server-side: .NET
Admin: .NET, HTML, Javascript, CSS3

Crispin Porter + Bousky – 2010

Facial Profiler - Once logged in with Facebook, the application would use facial recognition to scan facebook for other people who look like them.

Technology:
Client-side: PHP, Flash/Actionscript
Server-side: PHP, C++, MySQL

BBH – 2008

Axe Detailer - Promotional application for Axe Detailer. Built a native application that ran on Windows and OSX. Application would clean the computer's browser cache and recent documents periodically to cover up your bad browsing habits.

Technology: Flash/Actionscript, C++

Earlier Work

Owner, Approaching Pi, Inc. – 2001 - present

- Java development with JEE, Swing, JSP, JSF, Struts, Spring, CDI
- Back end development with Ruby on Rails, PHP Symfony2, and .NET
- Development with Objective C, C++, C#, T-SQL, PL-SQL, PHP
- Database: MS-SQL Server, Oracle, MySQL, PostgreSQL, Cassandra, MongoDB
- Development and architecture of Service Oriented Applications using RMI, CORBA, SOAP / Web Services, REST, SIP, JMS, AMQP, AMF
- Use of ORM frameworks Hibernate, Nhibernate, .NET LINQ,
- Implementation of server technologies including IIS, MS SQL Server, JBoss, Wildfly, Glassfish, Weblogic, Web Sphere, Red5, Adobe Media Server, Apache, Resin, Tomcat, Glassfish, Infinispan, MongoDB, Node.js, Spring Boot

Senior Developer - Furnace Labs – 1999 - 2001

Developer - Rock.com – 1997-1999

Technical Skills

Programming Languages:

Java, JavaScript, Actionscript (AS3), PHP, C#, Perl, SQL (MySQL, T-SQL, PL-SQL), C++, Objective C, Ruby, Groovy

Application Frameworks:

.NET, Seam, Spring, JSF, Struts (1&2), Ruby on Rails, Symphony, Node.js, OSGI, Restlet, Jersey, Apache CXF, Red5

Front end Frameworks: JQuery, PrimeUI, Angular, React

Application Servers:

IIS, Glassfish, JBoss AS / Wildfly, Jetty, Resin, Tomcat, Websphere, Heroku, Amazon Elastic Beanstalk

Databases:

Microsoft SQL Server, MySQL, Oracle, PostgreSQL, Cassandra, MongoDB, Infinispan

Content Management Systems:

Alfresco, Magnolia, Sitecore, Apostrophe, Wordpress

Source Control:

Subversion, Git, ClearCase

API use:

Facebook, Facebook Ads, Foursquare, LinkedIn, Twitter, Instagram, AWS

Testing:

Arquillian, Selenium, Cucumber, JMeter, Loadrunner