



Jonnie Spratley

Software Engineer & JavaScript Expert



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(cv.pdf)

About my interview and resume.

Interview »

+ Can you introduce yourself?

My name is Jonnie Spratley and I am currently working for a business in Rocklin, CA called AppMatrix; I started using HTML, PHP and JavaScript around 2004 and become addicted every since, I spent several years working with the Flex Framework, Flash, ActionScript 3 and a variety of server-side languages. In 2012 I came back to using HTML5, CSS3, client-side JavaScript frameworks Backbone.js, Angular.js and server-side JavaScript using Node.js, MongoDB and Express.

Lately I've been focused on starting and guiding new product design and development at AppMatrix. As part of that, I built an initial prototype showing off some ideas around custom content management systems for mobile applications, graphical analytic ROI interfaces, drag and drop mobile application wizards and agile development practices to streamline the current workflow. Those prototypes eventually formed the seed of the , which has aided in design, development and managing of over 30 apps in the Apple AppStore and Google Marketplace.

+ What motivates you the most about web technologies?

I am motivated by how fast web technologies are becoming more and more developer friendly, tools that help developers create beautiful projects faster that are scalable and testable, code is here to stay, but how you create it, deploy it and test it can always be improved, that is my motivation.

+ Do you have client-side web technology experience?

I have many years in both production and development environments using the latest and greatest client-side web technologies, including the following:

- JavaScript
- XHTML / HTML5 / CSS3
- Flash
- Ajax
- Backbone.js
- Angular.js
- Ember.js
- jQuery / jQuery UI / jQuery Mobile
- Twitter Bootstrap

+ Do you have server-side web technology experience?

I also have many years in both production and development environments using a variety of server-side programming languages including the following:

- Node.js
- PHP
- Ruby on Rails
- ColdFusion
- MySQL
- MongoDB
- XML-RPC / JSON-RPC

+ How do you challenge the status quo in software engineering?

I challenge the existing state of affairs in software engineering by formulating patterns to streamline the current processes in software development, not reinventing the wheel but reinventing how long and well the wheels roll.

+ Do you have a strong affinity for collaboration with other developers?

I have a natural ability to communicate complex software development practices and patterns to other developers in a way that enables them to understand and retain information provided, I have done many user group presentations regarding Application Architecture, Custom Components, and Enterprise application development using various application frameworks and platforms. I have published 2 articles for Flash Developers Magazine and have written many tutorials and cookbooks for other developers to learn.

+ What is your history of solving issues in development productivity?

I have history in solving issues in development productivity dating back to June of 2009, when I released an open source project called CodeGen (<https://code.google.com/p/flex-codegen/>), with 700+ downloads this project enabled developers to scaffold 100% both client-side and server-side code from a structured XML document.

In January of 2013 I launched the ** which consists of 5 sub-applications that enables mobile application developers to design, develop, deploy and manage mobile applications created with a variety of today's cutting edge technologies including the Titanium Platform, PhoneGap, jQuery Mobile and standard HTML5 / CSS3.

+ Do you design/develop libraries to streamline development?

I have designed and developed many mobile application wizards, mobile RPC libraries, server-side frameworks, custom content management systems, 3rd party API libraries, and database utilities for generating, automating, testing and streamlining projects from concept to production using a tailored agile development practice suited for the current situation.

+ Do you commit to code hygiene, readable code and testability?

I am a object-oriented programmer and take pride in all code that I write, I focus on using industry coding standards, formatting, indentation, documentation, code examples, tutorials and demo applications with source view enabled. I write code in a way that tells a story about the application or task, all of my code is usable, readable and testable using the latest frameworks available.

+ Are you optimistic, easy-going, and fun to be with?

I am very optimistic, easy-going and fun to be with. I believe that actions speak louder than words, so when it comes to personality traits, I tend to leave that to the eye of the beholder.

Employment »

Director of Product Design @ AppMatrix, Inc.

August 2011 - Present (1 Year 6 Months)

Department Lead Developer for new and existing product matrix, manage and direct all functions related to creation, enhancement, archiving, and documentation for API products and services, review and sync working databases and API and create on going product documentation library for both internal operations and external/3rd party developers. Assist in creating product development protocols including new mobile product design flow, version control and product upgrades, support, internal bench testing, external beta launch and 3rd party API integration management.

Collaboration with sales/marketing department to meet product release dates and delivery timetables. Create document library and required tutorials for all product and service releases, upgrades and add-ons.

I. AppMatrix Engine

Designed and developed the AppMatrix Engine and its application management, implemented the various back-end interfaces and libraries needed for SmartCMS, SmartROI, SmartMerchant, SmartAds and SmartPush to function with HTML5, JavaScript, PHP and database access using RESTful Web-Service technology.

- Designed and developed the client-side architecture for AppMatrix Engine using HTML5 and Angular.js.
- Designed and implemented the server-side infrastructure required for the AppMatrix Engine using PHP and Node.js.
- Designed and developed the Mobile API interfaces required for mobile applications connecting to the MyAppMatrix backend.

II. MyAppMatrix

Content Management System application for AppMatrix, Inc. Products. User interface was designed and developed using HTML, CSS and JavaScript. Components of the system were developed using a range of technologies including Angular.js, Node.js, Twitter Bootstrap, jQuery, and many custom libraries.

- Prepared the implementation documentation
- Designed and programmed web application
- Designed and implemented custom MVC framework
- Designed and programmed server-side framework

Co-Founder @ Cumulous.biz

April 2011 - August 2011 (5 Months)

Created entire web application framework with custom dashboard and client subscription system, lots of JavaScript, jQuery Mobile and WordPress integration.

Web Developer @ Patterson Properties Inc.

March 2009 - June 2010 (1 Year 4 Months)

Site Maintenance, Web Form Creation, Validation, Design, internal network infrastructure.

Developer @ Cal-West Graphics

February 2009 - April 2009 (3 Months)

Worked as a Web Developer creating, designing and maintaining client websites.

Junior Developer @ EventReady

October 2008 - January 2009 (4 Months)

Bug Tracking, Database Maintenance, Worked with a team of developers planing a new and improved web based management application.

Technical »

I am computer-literate with extensive software proficiency covering a variety of applications and programming languages.

- **Databases:** MySQL, MongoDB, Microsoft SQL Server, CouchDB, IndexedDB
- **Languages:** Node.js, PHP5, HTML5, CSS3, JavaScript, ActionScript, Ruby on Rails, Bash
- **Web Servers:** Apache, Ubuntu, UNIX, Redhat Linux, J2EE, Tomcat
- **Development Tools:** Textmate, Eclipse, Aptana, Titanium, JSbin, Creative Suite
- **Design Tools:** Fireworks, Photoshop, Illustrator, OmniGraffle, AppCooker, XMind

Education »

I am excellent listener and communicator who effectively brings information verbally as well as in writing. Highly analytical thinking with demonstrated talent for identifying, scrutinizing, improving, and streamlining complex work processes.

Sierra Community College

AA Computer Science

2005 - 2009

Rich Internet Applications Club

Bella Vista High School

HS Diploma

2001 - 2005

Four Year Varsity Football

Certifications »

Adobe Flex 4 Expert

License # ADB210125

October 2010

Adobe Inc.

Titanium Certified Application Developer

License # 0df7b57794565725633a9bc21044a99e

July 2012

Appcelerator Inc.

Publications »

Flex Application Architecture

Flash & Flex Developers Magazine

March 1, 2009

The role of the View in a Cairngorm application is to throw events based on user actions (such as button clicks, loading, entering of data etc.) and bind to the Model for data representation.

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(http://jonniespratley.me/assets/jonnie/publications/3_2009_Flex_Application_Architecture.pdf)

Rich Components With Flash

Flash & Flex Developers Magazine

April 1, 2009

Creating Rich Components with Flash and Flex have never been so easy, you just never hear about, until now. Many designers and developers dislike using the Flash CS4 as there primary coding IDE when creating applications, website, or even simple banners. Why?

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(http://jonniespratley.me/assets/jonnie/publications/4_2009_Rich_Components_with_Flash_and_Flex.pdf)