**Ravi Kiran Rachha**

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**Professional Summary:**

* Over **5** years of experience in **software design, development** and **maintenance**, where **3+** years of experience on **Ruby on Rails** and **2** years on **Java**.
* Experienced in **UI** development using **HTML5, CSS3, Ajax, JavaScript** and **jQuery**.
* Good exposure in interacting with **RESTful**, **SaaS**, **PaaS**, and **IaaS.**
* Front end expertise using **HTML** and **CSS**, and managing **Ruby on Rails layouts** and **views**.
* Experience developing **own helpers** to ease the job and code on both **controllers** and **views**.
* Sound experience in various **SDLC** phases such as **requirements gathering**, **analysis**, **design**, **implementation**, **maintenance of software applications** and **testing Client/Server** and **Web applications**
* Using **gems** such as **Paperclip** and configuration for image server processing to have additional functionality on projects.
* Hands on experience on **installation** and **configuration** of **multiple versions** of Ruby using **RVM** (**Ruby Version Manager**) **bundler install.**
* Has experience in use of **RVM files**, Usage of Pre-project **gemsets** deploy and integration of **RVM**.
* Experience with **RoR** creating **connections**, **designing** and **enabling** communications between both **frameworks**.
* Extensive experience in **creating** and **maintaining databases** which includes **configuration**, **query optimization** and **de-normalization**.
* Experience on **MVC** architecture based Web Applications in **Ruby on Rails**, **Backbone.js** and **CodeIgniter**.
* Strong skills in the area of deploying applications in **WEBrick, Phusion passenger, Amazon Web Services** and functional usage with **Apache Tomcat Server.**
* Working knowledge with application hosting server **Amazon Web Services** **(AWS),** **Heroku** and **Capistrano.**
* Developed **Ruby on Rails** customer facing applications, which meet the requirements outlined in our application development specification
* Design and implemented **intranet applications** using **Ruby on Rails** and **PostgreSQL** on **Heroku Cloud Packages** and **Triggers** on databases like **MySQL**, **PostgreSQL**, and **Oracle**.
* Managed code versioning with **GitHub** and deployment to **staging** and **production servers**.
* Wrote various interfaces to the management system in **Ruby on Rails**
* Monitored **Ruby on Rails** programs and **program data** to ensure applications are running as expected.
* Developed a gem called **Ajax CRUD** first version which permitted to create unobtrusive **Ajax scaffolding** and solved problems with **Ruby on Rails**.
* Working knowledge of **Distributed File Systems/Distributed Processing** Frameworks like **Apache Hadoop**, **Google File System (GFS)**
* Execute vulnerability to detect any **security issues** in applications, run **manual tests** using **proxy tools** and scripts to perform in depth **security analysis**. Report issues and provide expert advice on solutions.
* Exceptional ability to **Quickly master** new concepts and capable of working in-group as well as independently with **excellent** communication skills
* Strong knowledge using the **create, read, update** and **delete (CRUD)** methodology
* Strong skills in the area of **Reverse Engineering**, **Code Protection** and **Code Optimization** reducing **code redundancy**, avoiding **redundant database calls**, choosing **best implementation** ways etc. to improve system performance.
* Skilled in **troubleshooting** with good **organizational** and **interpersonal** skills
* Good team player, creative and detail-oriented, with strong **analytical** skills with good ability to **collaborate** with team members for **code** and **design reviews.**
* Excellent **Interpersonal** and **communication** skills, efficient **time management** and **organization** skills, ability to handle multiple tasks and work well in a team environment.
* Implemented **Behavior Driven Development** with **Capybara** and **Cucumber**, **Test-Driven Development** with **RSpec.**
* Good knowledge on automation framework in **Selenium** WebDriver using **Behavior-Driven (BDD)** approach.
* Experience in Review of **Test Scenarios, Test Cases**.

**Technical Skills:**

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| **Frameworks / Architectures** | Rails (Rails 3.x, Rails 4.x), Hibernate, Spring |
| **Languages** | Ruby, PHP, SQL, PL/SQL, Java, C#, C, C++ |
| **Web Design** | XHTML, CSS3, HTML5, JSP, AJAX |
| **Application and Web Server** | Phusion Passenger, Apache Tomcat, Nginx, WEBrick, Puma |
| **Databases** | MySQL, PostgreSQL, DB2, Oracle 8i/9i/10g/11g, Microsoft SQL Server, SQLite, MongoDB, Pgadmin III |
| **Test Frameworks** | Rspec, Capybara, MiniTest, Test Unit, Junit, CRAFT |
| **Deployment Tools** | Amazon EC2, Heroku, Jenkins |
| **Development tools** | WSAD, Eclipse, Textmate, Sublime, Netbeans, Ruby Mine |
| **Web Technologies and J2EE** | JavaScript, JQuery, AngularJS, Coffee script, Rational Application Developer |
| **Other Tools** | MS - Office(MS-Excel, MS-Project 2013, MS-PowerPoint), Visual Studio 2013, QlickView(Reporting) |
| **Operating Systems** | Windows, Unix, Mac OS |
| **Protocols** | HTTP/HTTPS, TCP/IP, SOAP, SMTP |

**Work Experience:**

**TIAA Financial Services, Charlotte, NC Feb 2016 – Present**

**Sr. Ruby on Rails Developer**

**Responsibilities:**

* Responsible for **development, modification** and **maintenance** of **Invoice Management System** (IMS) which is used to **streamline invoice processing, tracking** and **reporting.**
* Developed the **user authentication** and **order processing** modules for customer facing application.
* Creating database schema for **MySQL** Database and helped to draw **ER-Diagrams** using **Microsoft Visio**.
* Developed complex **APIs** for **third party integration (JSON file format)**.
* Experience in using **Rails - Active Jobs** for performing background tasks to speed up the page rendering process.
* Coded model level validation using **Ruby programming** with emphasis in **web security**.
* Developed website using **Ruby on Rails**, backed by **MYSQL** and **Capistrano** to automate and ease the deployment process on **Phusion Passenger server**.
* Used **RHTML**, **ERB** Templating, **YAML, RJS** and **Cascading Style Sheets** (CSS) to design the web pages.
* Managed code versioning with **Github** and deployment to **staging** and **production servers**.
* Developed the retry mechanism using the **Exponential Backoff** when event processing failed to sync with SFDC.
* Developed **remote integration** with **third party platforms** using **Restful** **web services** by generating **WSDL** file (in JSON format).
* Performed **Unit testing**, **Integration Testing**, **GUI** and web application testing using **Cucumber** and **Capybara.**
* Planned and carried out **daily scrums**, **weekly estimations** and retrospectives and **pair programming**.
* Designed and documented **REST/HTTP APIs**, including **JSON** data formats and API versioning strategy.
* Used **Rails finder methods, filters** and wrote **model scopes** in the application.
* Experience in writing **SQL** queries for performing various **CRUD** operations like **create, update, read** and **delete**
* Understanding of how web applications work including **security**, **session management** and best development practices.
* Launching **Amazon EC2** Cloud Instances using **Amazon Images (Linux/ Ubuntu)** and Configuring launched instances with respect to specific applications.
* Utilized **Chef** to provision servers for quick deployment of **application, web,** and **database servers**.
* Used **Chef attributes, Chef Templates, Chef Recipes**, and **Chef Files** for managing the configurations across various nodes.
* Using **web-frontend** altered configuration data in **chef's node database.**
* Implemented **sorting, type ahead** and **pagination** functionality for entire application.
* Launching the **VMs** on different cloud platform and monitor the performance and configuration.
* Used **HTML5**, **YAML**, **cascading style sheets (CSS)** to describe the web pages.
* Develop user friendly and sophisticated graphical representation of the catalogue of items that would be configured for a piece of equipment.
* Analysis and improves application efficiency by **optimizing queries** and **caching** contents for Rails.
* Provided validations and scope for many models in the database and created many associations within those models.
* Created automated test scripts for web applications with **Ruby** and **Capybara** and **Selenium** testing module.
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application's GUI and in the testing environment using **Selenium** Web Driver.
* Developed test automation scripts using **Selenium** Web Driver for regression and performance testing of the various releases of the application.
* Involved in handling code reviews and bug fixes.
* Managed deployment using **Capistrano** gem.

**Environment:** **Rails 4.1, Ruby 2.2.2**, **CSS**, **HTML5**, **Bootstrap**, **Rspec**, **Angular JS**, **JSON**, **MySQL**, **UNIX**, **RESTful, Agile, Chef, Amazon Web Services, Cucumber**, **GIT**

**Rockwell Automation, Milwaukee, WI Mar 2015 – Jan 2016**

**Ruby on Rails Developer**

**Responsibilities:**

* Developing web applications with **W3C, XHTML, HTML5, CSS3** standards and using **Ruby, Rails, Git** and **Heroku**.
* Created most important **Business Rules** which are useful for the scope of project and needs of customers.
* Worked with all of the **RVM, Bundler, GEMS** and **libraries** for this version of the ruby/rails.
* Prepared and analyzed **System Requirements Specifications (SRS)** for a project and interacted with client and **Business Analysts**.
* Coding application using **Ruby on Rails** in End-to-End Web application development and **MVC framework** for back-end while front-end is built on **CSS** and **HTML5** framework.
* Implemented back end systems integration with web services using **REST.**
* Developed **integration app** using **JRuby**, integrated with **SFDC** and **AWS SQS real time eventing system**.
* Responsible for developing **APIs** in **JRuby** for **a transaction related identity provider system** to grant, revoke user entitlements.
* Worked on **Amazon Web Services-SQS** queue to publish, read and delete messages concurrently.
* Maintained **transactional consistency** across various systems including web based and **eventing** **systems**.
* Developed the retry mechanism using the **Exponential Backoff** when event processing failed to sync with SFDC.
* Developed **Splunk** dash boards and Monitored **Splunk** logs to optimize the system performance.
* Practiced **Test-Driven Development** with **Rspec** tool and **Behavior-Driven development** using **Cucumber** and **Capybara**.
* Designed **database model** for the entire application like **creating tables, views** and **stored procedure.**
* Actively involved in developing the methods for **Create, Read, Update and Delete (CRUD**) in **Active Record**.
* Analyzes and improves application efficiency by optimizing queries and caching contents for Rails.
* Responsible to manipulate **HTML, CSS** in **JQuery** as well as making the pages’ dynamic using **AJAX** and **JSON**.
* Involved in designing mobile search application system requirements and coded back-end and front-end in **Ruby on Rails**.
* Managed code versioning with **GitHub** and deployment to staging and production servers.
* Actively involved in the **Indexing** of data from different data sources using **Solr/Exalead.**
* Used **Restful API** in communicating with third parties.
* Managed and coordinated the work of an **offshore** development team.
* Collaborated with **Product Management** and **User Experience** experts regarding product definition, schedule, scope and project-related decisions.
* Used **Rails finder methods, filters** and wrote **model scopes** in the application.
* Worked in **MongoDB** on simple queries and writing Stored Procedures for normalization and **Denormalization**.
* Worked in **TDD** and **BDD** environments.
* **Refactored** **code** as required while working on the features and enhancements.
* Designed applications using **object oriented programming** (OOPS) concepts.
* Provided **validations** and scope for many **models** in the **database** and created many associations within those **models**.
* Coded **JavaScript** for page functionality popup screens.
* Accessed the developed API proxies using **APIGEE.**
* Used **Codacy** tool for better coding practices, to check code style, security, and minimize complexity.
* Integrated **Codacy** with GitHub and Jenkins to improve code quality.
* Prepared technical documentation for internal **wiki** to be used by API consumers.
* Composed **Cucumber** and **RSpec** tests in the application and coded in JavaScript for page usefulness and popup screens
* Interactive in providing change **requests, trouble reports** and **requirements** collection with the client.
* Involves configuration of **application flow, controlling logic** and **navigation** in the application.

**Environment: Ruby (1.9.3), Rails (4.0), Apache Passenger, AWS (SQS, EC2, S3), APIGEE, HTML5, CSS3, AJAX, JQuery, JavaScript, MongoDB, Dockers, Elastic Search, RESTful, Git.**

**WellCare Health Plans Inc, Tampa, FL Aug 2014 – Mar 2015**

**Ruby on Rails Developer**

**Responsibilities:**

* Involved frequently with **business analysts** to gather the requirements.
* Implemented and enhanced **CRUD** operations for the applications using the **MVC** **(Model View Controller)** architecture of **Rails** framework and Ruby conducting code reviews
* Coding application using **Ruby on Rails** in End-to-End Web application development and **MVC** framework for back-end while front-end is built on **CSS** and **HTML** framework.
* Developed custom **Rails** applications specific to client’s unique needs.
* Worked with **arrays** and **hashes** in the **ruby** environment.
* Worked with all of the **RVM, Bundler, GEMS** and **libraries** for this version of the ruby/rails.
* **Manage, collaborate** and **coordinate** the work of an **off-shore** development team.
* Upgraded associated **gems**, across multiple **Ruby** and **Rails versions**.
* Coding using the **Ruby on Rails** and also used **JQuery, HTML5** and advanced **JavaScript** for better look and feel.
* Used **Restful API** to gather clouds related data for products.
* Performed test automation using with **Selenium,** **Rspec**, **Cucumber** and **Capybara**.
* Designed and developed a **Gem** in accessing files on **FTP** servers of clients along with **encrypting** and **decrypting** files as necessary.
* Involved in **business components programming**.
* Prepared and analyzed **System Requirements Specifications (SRS)** for a project and interacted with client and Business Analysts.
* Supported application throughout the process from staging to production through **QA** and **UAT**.
* Followed **Test-Driven Development (TDD)** software for this version of the ruby on rails
* Worked on **requirement analysis, time estimating** and **sprint planning**.
* Participated in requirements definition and **story carding**.
* Implemented monitoring and established best practices around usage of **ElasticSearch**
* Designed database model for the entire application like **creating tables, views** and **stored procedure**.
* Analyzes and improves application efficiency by **optimizing queries** and **caching** contents for **Rails**.
* Developed the **user authentication** and **order processing modules** for customer facing application
* Involved in designing **mobile search application** system requirements and coded back-end and front-end in **Ruby on Rails**.
* Coded **JavaScript** for page functionality popup screens.
* Followed 2-week deployment process of enhancements and fixes.
* Used **RSpec, minitest (TDD), Cucumber (BDD)** to specify and test controller classes, models, view templates and helpers. The results improved the application code design, helped reduce unnecessary coding and improved future code design.
* Interactive in providing **change requests, trouble reports** and **requirements collection** with the client.

**Environment: Ruby (1.9.3), Rails 2.2/3.2, Apache Passenger, HTML, CSS, AJAX, JQuery, JavaScript, MySQL, RESTful, SVN.**

**Trigent Software Solutions, Bangalore, India Jan 2012 – Aug 2014**

**Jr. Java Developer**

**Responsibilities:**

* Involved in developing the UI pages using **HTML, DHTML, CSS, JavaScript, JSON, jQuery, Ajax**.
* Involved in writing test cases using **JUNIT**.
* Involved in developing **HTML** and **JavaScript** for client-side presentation and data validation on the client side with in the forms.
* Created **Servlets** and **Beans** to implement Business Logic.
* Created database access layer using **JDBC** and **PL/SQL** stored procedures.
* Designed **object model, data model, tables, constraints, necessary stored procedures, functions, triggers**, and **packages** for **Oracle** Database.
* Developed **test plans** and **procedures** from the requirement and specification documents.
* Worked on Java based connectivity of client requirement on **JDBC** connection.
* Used data types like **dictionaries, tuples** and **object oriented** concepts based inheritance features for making complex algorithms of networks.
* Involved in **peer code reviews** and performed **integration testing** of the modules.
* Followed coding and documentation standards.

**Environment: Java, Servlets, JDBC, HTML, CSS, JavaScript, JSON, XML, PL/SQL, SQL, web services, JUNIT.**

**Education:** Masters’ in **Computer Science**