**RANJEET KUMAR**

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**PROFESSIONAL SYNOPSIS**

* Six plus years of experience in software industry with core experience as solution architect - analysis, design, implementation and maintenance of web applications
* Lead and work with the team to examine and solve business problem by analysing the needs of the customer and helping them achieve improved quality
* Four plus years of experienced and sound knowledge in Ruby on Rails, Postgres, JavaScript, Core JAVA, jQuery, CSS, HTML, Python
* Implemented various backend Ruby on Rails functionalities like emailing, searching through Apache Solr, Delayed Job, Redis, etc.
* Designed and implemented database architecture for applications using various databases (Postgres ,Mongo DB and MySQL)
* Developed a rich UIX with HTML5, JQuery and Bootstrap
* TDD/BDD methodology emphasized code-coverage through a combination of functional tests (Cucumber) and unit tests (RSpec), with code coverage measured through SimpleCov.
* Experience in Agile development techniques, OOPS, MVC, Design Patterns and SAAS implementation
* Experience in version control systems Git and SVN
* Set up and maintained applications on Amazon Web Services, Linode, Rackspace and in-house local servers. Used Capistrano, Docker, and Chef for deployment process.
* Sound knowledge in Software engineering, Data Structure and Design Patterns.
* Working with research organization (Xerox Research Centre India), co-authors of multiple researched publications.
* Possess hands-on experience with direct customer interaction for requirement analysis, requirement prioritization, and documentation of product/functional requirement specifications.
* Adept in end-to-end development of software products/projects from inception, requirement specifications, planning, designing, implementation, configuration management, defect management, documentation, maintenance/support and closure with cross-cultural and multi-functional teams.
* Efficient team player, commitment towards work, hardworking, orientation and determination to learn new technologies, take up challenging tasks.
* Able to handle complex situations and time crunch schedules, creating more value for the company and for the client.
* Good written and oral communication skill with result oriented attitude.
* Experiences in Web server like Apache, Nginx and Application server like Passenger, Unicorn, Webrick

**RESEARCH PUBLICATIONS and Patent (Co.-Author)**

* Easy Navigation through Instructional Videos using Automatically Generated Table of Content --(Demo Paper- IUI 2016)
* Content-driven Multi-modal Techniques for Non-linear Video Navigation (IUI 2015)
* StyleX: A Corpus of Educational Videos for Research on Speaking Styles and their Impact on Engagement and Learning (InterSpeech -2015)
* 4 Rated QID (Table of content creation for Edu-videos)

**TECHNICAL PROFICIENCY**

Languages: Ruby, Python, Core Java, PHP5, JavaScript, HTML

Technology: Ruby on Rails, Adobe Flex.

Tools: Docker, Ruby Mine, Flex Builder, VIM, Sublime Text

Database: Postgres, Mongo DB, MySQL, ORACLE

Operating System: UNIX, Ubuntu, Windows 98/2000/XP

**PROFESSIONAL EXPERIENCE**

**Software Engineer July 2014 – Till Date**

**Xerox Research Center India**

**Project**: TutorSpace

Senior Ruby on Rails Developer

**ROLES AND RESPONSIBILITIES**

* Architected TutorSpace in Ruby on Rails utilizing test-driven development with RSpec and Capybara.
* Designed and implemented database architecture for TutorSpace using Postgres
* Implement module approach in TutorSpace development life cycle through making it API-driven, User-centric designing and Plug and Play methodology
* Robust: make the code simple, cleaner, low coupled and well commented so that it is easy to maintain. Followed DRY and “Convention over Configuration” principles, applied caching mechanism(Redis), used exceptions management
* Scalable: end-to-end processing such that the content curation and indexing(Apache Solr) is applicable to any ‘in-the-wild’ multimedia content
* User-friendly: iterative design and development of all the UI components
* Integration of research components: generalize research code to deployment-ready code, design and develop the interaction logic and integrate with the production system
* Woking toward making TutorSpace Bug-free, Completing all scrum cycles in defined timeline, maintain server, service component and UI features of TutorSpace, respond all active feedback from stakeholders and users from multiple institutes

**System Analyst May 2013 – May 2014**

**Subex Limited**

**Project**: ROC® Fraud Management

Ruby on Rails Developer

**ROLES AND RESPONSIBILITIES**

* Implementing IBM i2 analyst notebook for quickly collate, analyse and visualize data from disparate sources
* Future enhancement of JASPER reports
* Designed live log viewer for quickly auditing
* Several bug fixed in UI(Ext JS)
* Wrote python code for large text file reading
* Designed rule editor for defining the rule

**Software Engineer Oct 2009 – May 2013**

**Relyon Softech Limited**

**Project**: Online Payroll System (SPP)

Web Developer

**ROLES AND RESPONSIBILITIES**

* Learned and implimented Ruby on Rails, business rules, SEO and other advance tools.
* Lead the team in development of 4 specific modules of the project.
* Understanding Requirement Specifications and Design Documents.
* Implementation of multiple tenants Database Architecture for SAAS Model.
* Implementation of Devise and CanCan gem for Authorization and Authentication.
* Implementation of HSTORE Data type for storing data into hash format.
* Implementation of DATERANGE for selection of data in given date range
* Part of the Database Design team.
* Bulk data processing through Excel uploads.
* Backup and restore utility.

**EDUCATION**

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| **Year** | **Course** | **Specialization** | **Board/University** |
| 2006 -2009 | MCA | Computer Science | Kalinga Institute of Industrial Technology(KIIT) |
| 2002 - 2005 | BCA | Computer Science | IGNOU |

**OTHER RELEVANT DETAILS**

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| **Countries eligible to work** | India(by birth), Australia(PR) |
| **Date of Birth** | 13 September 1981 |
| **Proficient Languages** | English, Hindi |