Prasanna Kumar M

Senior Software Engineer

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Accomplished Senior Software Engineer with 7+ years of experience leading projects by acting as architect, developer and programmer analyst. Proficient in supporting project deliverables and maintaining releases. Strong leader in guiding support teams and solving complex issues. Steadfast in planning and implementing effective development strategies based on industry best practices. Well versed with Software Development Life Cycle (SDLC) process which includes requirement analysis, design, development, testing and implementation.

Skills

Skill	Rating
Ruby on Rails	Excellent
JavaScript	Excellent
Vue JS	Excellent
React JS	Excellent
HTML5	Excellent
CSS3	Excellent
MYSQL	Excellent
REST API	Excellent
PHP	Very Good
AWS	Very Good
TypeScript	Very Good

Work History

Senior Software Engineer
Mar 2019 - Current

InfoTech Inc, Gainesville, FL

- Dockerized Ruby on Rails application for rapid application setup and consistent development environments.
- Created background jobs and used delayed jobs Rails gem to process long running tasks to improve performance of application.
- Developed Rake tasks to export zip file containing all customer information.
- Added advanced filters to do Boolean Full-Text searches using MYSQL FULLTEXT index across multiple fields.
- Debug and fix high priority production issues in a timely manner using Kibana, AWS EC2.
- Developed functionality to upload attachments to AWS S3 via Rails active storage.
- Built RESTful APIs in Ruby on Rails that served data to front-end and was responsible for code quality and code review.
- Introduced parallel_tests gem and implemented parallelization of rails tests and made test suite run 6 times faster.
- Perform test driven development using MiniTest and Jasmine.
- Developed Photos application consuming REST API, used by agencies to upload and view thousands of photos and additionally view them on the Google map clustered by location using Vue JS.
- Utilize HTML5, CSS3, Bootstrap to create responsive webpages.
- Worked extensively with Vue JS JavaScript framework to create reactive and reusable components.
- Write unit tests using JEST and end to end integration tests using Cypress to achieve maximum code coverage.
- Use AWS CodePipeline for CI/CD and setup code testing via GitHub actions on pull request and code push.
- Orchestrate efficient large-scale software deployments.
- Train and mentor junior engineers, teaching skills in web development and working to improve overall team performance.

Software Engineer II
Aug 2017 - Feb 2019

SharpSpring, Gainesville, FL

- Develop code in docker environment with kubernetes managing the application.
- Followed PSR-2 standards for coding and PSR-4 standards for autoloading.
- Utilized PHP CodeIgniter MVC framework for rapid application development and address separation of concerns.
- Implemented UI Screens, Advanced Search, Timer, Navigation and Menu Bars, Forms, Sorting, Filtering in React JS & CSS3.
- Used React Redux to create single page applications with micro service-oriented

architecture.

- Added functionality to upload images using Antd component and updated backend and local storage through GraphQL query mutation via Apollo Client.
- Created audit logs to capture new, deleted PieSync connections and suppressed at risk email jobs.
- Integrated send email job errors to slack channel with appropriate error messages.
- Worked with HTML5, CSS3 media queries and mobile UI development to customize the view.
- Ran PHPUnit tests with code coverage turned on and analyzed code coverage % and CRAP values for classes and methods to extend test cases and refactor code.
- Utilized SaSS & Less, CSS preprocessors to refactor and organize CSS code.
- Fixed issues with JIRA integration in internal application to show appropriate cards for the filters.
- Created amount to deduct from credit one-time charge modals for billing module.
- Used Phinx database migrations for better version control of database changes.
- Hands on experience working with Git source control software.
- Utilized Jenkins CI configured for lint checking, unit tests and run migrations.

Feb 2014 -
Jul 2017

Software Developer

Paycom Payroll, Oklahoma City, OK

- Developed wizard for an entire module and incorporated on the fly additional screens using AJAX calls and promises for best user experience, and Twitter Bootstrap framework for responsive web applications.
- Refactored and developed code by using Object Oriented Programming concepts, design patterns, separation of concerns, Dependency Injection in PHP Zend & Symfony MVC frameworks.
- Improved response time of SQL queries run on payroll data by 30% using Indexes, optimizing table scans and other techniques.
- Utilized Memcached caching system and Page Load Optimization techniques such as image size optimization, minification of JavaScript's to speed up dynamic web pages.
- Added validation to forms using AngularJS and made asynchronous calls to server to fetch information.
- Used Doctrine Database Abstraction Layer to execute queries and other database actions.
- Utilized Twig Templates to manipulate front end logic and created views using HTML5 & CSS3.
- Integrated 3rd party JavaScript libraries HightCharts, Data Tables API to create interactive charts and add advanced interaction controls to tables respectively.
- Migrated legacy procedural code to structured MVC and implemented service-oriented architecture.
- Performed PHP code debugging using XDebug extension.
- Created custom JavaScript libraries for wizard functionality and used across products.
- Focused on Test-Driven Development (TDD), wrote functional and unit test cases leveraging PHPUnit and Behat tests.

- Worked with BuildMaster to automate deployments and coordinate releases.
- Utilized SOAP & REST API web services for exchanging information between heterogeneous applications.
- Implemented validation and security criteria, Cross Site Scripting (XSS), Cross Site Request Forgery (XSRF) and prepared statements required to access web pages and present appropriate data.

Aug 2011 -
Jul 2012

Programmer Analyst

Cognizant Technology Solutions, Hyd, TG

- Performed coding in C, C++, PL/SQL and JavaScript.
- Utilized SQL Server 2008 DBMS to query for data after loading process is complete.
- Created Stored Procedures and SQL queries with best performance.
- Presented paper on 'Data Mining: Knowledge discovery in Databases'.

Education

Aug 2012 -
Dec 2013

Master of Science: Information Technology

Oklahoma State University - Stillwater, OK

Aug 2007 -
May 2011

Bachelor of Technology: Engineering

Jawaharlal Nehru Technological University - TG, Hyd

Accomplishments

- Won 2nd place in Hack-a-Thon competition conducted in Fall 2020.
- Awarded MVP of the Team in Code-a-Thon competition conducted in spring 2015.

Certifications

Jul 2020   AWS Certified Developer Associate

Tools & Technologies

Redux, Vuex, GraphQL, Apollo Client, HTML5, CSS3, GIT, Material UI, Antd, SVN, Apache, AngularJS, Bootstrap, SCRUM, JSON, XML, Memcached, AJAX, jQuery, WAMP, LAMP, PHPUnit, AWS, MiniTest, Jest, Cypress, Jasmine, MySQL, MongoDB, Oracle 11g, PostgreSQL, MS SQL server 2008, DynamoD, AWS, GCP, JIRA, NPM, SaSS, Less, Webpack, Chrome Dev Console, Zend MVC, CodeIgniter MVC, HighCharts, DataTables API, Composer, Splunk, Postman, NetBeans, Eclipse, GitHub, Docker, Jenkins CI, Kubernetes, Kibana, Redis, Slack, Phinx, Yarn, Homebrew