RajaRaviVarma AR

A-307, VRR Nest, LavaKusha Nagar, Electronic City Phase II,
Bangalore, Karnataka - 560100

Mobile: 9791504579
Email: rajaravivarma.ar@gmail.com

Summary

I am a highly skilled Software Engineer with over a decade of expertise in Web development. My passion for technology drives my desire to excel in an innovative environment that not only values my abilities but also fosters a culture of continuous learning.

Skills

Programming Languages	Ruby, Python, JavaScript, C++, Golang
Frameworks	Ruby on Rails, React, Qt
OS	Linux, Mac OS, Windows
Version Control	Git
Databases	Postgresql, SQLite, MySQL, MongoDB
Cloud Computing Platforms	GCP
Tools and Softwares	Nginx, Mitmproxy, Redis, Memcached, Postgresql, Docker, Kubernetes, ElasticSearch, Apache Solr, Linux Buildtools
Code Editors	Vim, Sublime Text
IDEs	Qt Creator, Eclipse, Android Studio

Experience

Fintech Primitives, Cybrilla.
Bangalore — 2021 - 2023

Fintech Primitives is a cloud based platform as a service (PaaS) that simplifies the complexities of the Indian financial ecosystem into APIs. The domain, regulatory and technology complexity have been modularized into building blocks, which provide functionality through simple APIs.

Accomplishments
- Acted as a senior member in the team to create the initial code skeleton for the majority of use cases, such as report generation, authentication using tokens and cookies, and interfaces to different microservices etc.
- Developed and managed a comprehensive platform dashboard.
- Designed the dashboard to serve as an intuitive interface for overseeing records, activities, and events within the platform.
- Integrated with Keycloak for user authentication and authorization.

- Integrated with Superset API for executing SQL-based business queries.
- Integrated with Metabase to embed performance charts for enhanced data visualization.
- Worked with platform APIs to enable various essential business operations.
- Integrated with Sentry API to display performance metrics, error reports, and logs.
- Produced error reports for the customer support team to efficiently manage user transaction issues.
- Engineered an optimized Docker image, reducing build times by 50%.
- Enhanced an open-source library to tailor it to our specific application requirements.

Role
Senior Full Stack Developer

Tools and Frameworks
Ruby on Rails, Good Job, Postgresql, Webpacker, Metabase, Kibana, Grafana, git

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Alice, Alice.
Bangalore — 2020 - 2021

Alice helps working Americans keep more of their paycheck by modernizing pre-tax spending while simultaneously helping employers save on payroll tax.

Accomplishments
- Integrated Alice with new Payroll platforms to reconcile user expenses and earnings.
- Generated reports to identify and resolve anomalies in user transactions.
- Collaborated with third-party tools to facilitate customer notifications.
- Managed on-call support to address user inquiries regarding their transactions.

Role
Senior Full Stack Developer

Tools and Frameworks
Ruby on Rails, RSpec, Sidekiq Enterprise, Nginx, Aptible, Webpack, YARN, git.

Teton One, One Plus Communications.
Bangalore — 2019 - 2020

The web application helps visualize call center metrics like average call time, first call resolution, call transfers etc. The metric was used to assess call center employees' performance. This, in turn, helps to predict if the call center is under-staffed or overstaffed.

Accomplishments
- Set up the application to be deployed in Google Compute Platform using Kubernetes
- Streamlined the continuous deployment using self-hosted Gitlab instance and Google cloud builder
- Developed and maintained the Dockerfiles. Optimized the image size using multi-stage builds.
- Utilized Cloud Storage, Bigquery and Kubernetes CronJobs to import and process data from CSV files.

Role
Senior Full Stack Developer

Tools and Frameworks
Ruby on Rails, RSpec, Sidekiq, Nginx, Kubernetes, Docker, Puma, Webpack, YARN, git.

Saral Web Payroll, Relyon Softech Ltd.
Bangalore — 2017 - 2019

A comprehensive payroll system involving two large monoliths, and supported by few microservices. All the systems are built on Ruby on Rails. The system has a main system for payroll management, which is used by the employer. The other main system is an Employee Self Service portal, which is used by the employees. The rest of the system are microservices, serving different purposes like sending emails, audit logging and control panel.

Accomplishments
- Developed the control panel which will onboard new clients to the system.
- Clients are added based on a package subscription model. Modified the system to only enable features based on the packages subscribed by the clients.
- Developed the components to secure the communication between the micro-services by using JWT and Message Authentication Code.
- Developed a generic Review system for changes to go through an approval flow.
- Documented code which was less readable or confusing.
- Generated various Excel reports.
- Improved the codebase by applying good practices in small increments.

Role
Tech Lead/Full Stack Developer

Tools and Frameworks
Ruby on Rails, RSpec, Delayed Job, Nginx, Puma, Capistrano, Webpack, YARN, git.

RetailMe, Apple
Bangalore — 2014 - 2016

A RESTful web service, built on Ruby on Rails. The application is used across 500 Apple Retail stores. The application acts as a channel of communication between the top management and store employees. It also incorporates data from various internal applications like customer survey, HR - employee data to facilitate store activities.

Accomplishments
- Development of user authorization module.
- Automating the infrastructure setup processes, such as compiling and installing Ruby, ImageMagick, Nginx, Redis, Apache Solr, etc using Ansible and Python Fabric.
- Managing configuration files for Nginx, Stunnel, Redis, Apache Solr, etc using Ansible and Python Fabric.
- Managing server processes like starting/stopping application servers, media file servers, resque workers and schedulers etc using Ansible and Python Fabric.
- Upgraded the Rails framework from version 3 to version 4.
- Increased test coverage for the existing application code.
- Replacing obsolete components with new ones.

Role
DevOps

Tools and Frameworks

Ruby on Rails, Python, RSpec, Resque, MySQL, MongoDB, Nginx, Phusion Passenger, Apache Solr, Memcache, Redis, ImageMagick, FFMpeg, god, Fabric, Ansible, git.

Knome, Tata Consultancy Services (Internal)
Chennai — 2012 - 2014

A social platform for corporate employees. Highly focussed on collaboration and sharing of knowledge and ideas through various forms of communications like Q&A, Microblogs, Blogs, Wikis, Forms, Instant Messaging, etc.

Accomplishments
- Complete development and maintenance of the Badge module, which awards badges to users on completion of preset milestones based on user activities, points and geographical locations.
- Development and maintenance of Karma module, a point-based game design to increase the involvement of users in the platform.
- Development of Recommendation Engine, to recommend user connections in the platform based on their profile information and activities in the platform.
- Maintaining servers for performance testing the application.

Role
Developer

Tools and Frameworks
Ruby on Rails, Ruby Minitest, Resque, Apache Solr, Memcache, Redis, git, Nginx, Phusion Passenger, Postgresql

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Internal, Cybrilla
Bangalore — 2016 - To date

POCs:
- A scalable bill generation system backed by Apache Kafka.
- A primal bitcoin wallet. A set of users will keep track of certain bitcoin addresses. The user will be notified whenever there is a transaction involving the tracked addresses. It used http://blockchain.info WebSocket API.

Prototypes:
- Built a prototype around an internally-developed opinionated Rails mountable engine for managing notifications.
- A [Redmine](#) plugin to incorporate DEFCON status for projects. DEFCON is used in US Armed forces, we adopted the idea to represent the severity of the project.
- Developed a micro-service that interfaced with the Bombay Stock Exchange via SOAP APIs. This micro-service effectively stored audit logs of requests and responses, greatly assisting the Customer Support team in identifying and resolving order transaction issues.

Education

K. S. Rangasamy College of Technology.
Bachelor of Technology, Information Technology. — 2007 - 2011

Aggregate: 72.5 %

College Project	**Heart Care System.** A continuous heart monitoring system enabled using a wearable heart rate sensor and a Symbian smartphone. ● The project uses a Symbian Smartphone and Zephyr heart monitor to supervise the user's Heart rate. ● The project will alert a predefined set of contacts when a critical threshold in Heart rate is detected. ● The alert will have the user location data, i.e. latitude and longitude and recent heart rate data. ● Developed using Qt/C++, Symbian C++, Python/PyS60.
Github/ LinkedIn/ StackOverflow	https://github.com/rajaravivarma-r https://in.linkedin.com/in/rajaravivarma https://stackoverflow.com/u/418473/