



Rajasekhar Reddi

Software Engineer

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A 'Thought' leader with strong technical experience, architectural skills. Providing good technical standards, advisory and troubleshooting support to the team. Quick learner of new technologies with excellent research and development to provide solutions for dynamic environments

EXPERIENCE

Suventure Services Pvt Ltd – Principal Consultant

NOV 2016 - May 2017

Dharma Platform — Transformative power of Data

- A platform that makes it easy to collect data by providing intuitive web interface for creating projects and forms with different types of question models.
- Working on development and deployment of both web and mobile applications with **ReactJS** as UI framework and **Redux**, a predictable state container for Javascript apps.
- **Python (Django)** as backend for serving REST APIs
- **Electron** to create desktop applications from the same code base as Web.
- **Webpack** and **Babel** to transpile and build javascript applications.

Avatar Labs, Visakhapatnam — Founder & CTO

OCT 2012 - OCT-2016 (www.avatarlabs.in)

frolic — A Moment of Joy

- A Mobile App (PaaS) to create and share short videos of exciting, entertaining, informative and educational videos which are transcoded to consume very less data.
- **MeteorJS** – a full stack hybrid app development framework along with Cordova and MongoDB is used as application core framework both on server and client.
- **Blaze** – Template engine default with MeteorJS for front end development. Blaze engine along with React components have been used for UI development.
- **ReactJS** – UI framework, views can be divided into small components which can quickly modified and rendered on data changes.
- **Android SDK(JAVA)** – Editing and transcoding of videos has been developed on native android SDK and compiled as library, which is included in the app as custom Cordova plugin. A thread pool is created on device based on number of available cores on the device to enhance speed of transcoding.

AREAS OF EXPERTISE

- SaaS Development.
- Multi-threaded Programming
- Application scalability
- Object Oriented Design
- Open Source Technologies

AREAS OF INTEREST

- Microservices
- Data Science & Engineering
- Business Intelligence

PROJECTS

Dharma Platform, a web and mobile application for



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- **Ffmpeg** - open ffmpeg with x264 codec has been cross compiled to android and shipped along with the app, so that the transcoding can be done on client device before uploading it to the server which will reduce cost of data charges for user.
- **Deploy** - Deployed on both **AWS** (EC2, S3, SES) and **Azure Ubuntu** 14.04 machine with **Docker** containers and **nginx** web server as reverse proxy.

collecting and transforming data into use.

Frolic & YnPole are mobile apps developed at Avatar Labs Private Limited.

Viva Infomedia, Mumbai — Technical Architect

SEP 2011 - OCT 2012

Provided thought leadership, architectural expertise and worked with cross-functional teams to provide solutions.

Key Duties and Responsibilities

- Design and development of Email Marketing system with high rate of broadcasting on optimal cost of infrastructure. Developed using **Erlang** a functional programming language with high concurrency, fault tolerance support and **Mnesia**, nosql database for fast reads and writes. (Erlang has been introduced by me in the company), **AWS** cluster
- Optimizing and feature development of email web interface application developed on **PHP Zend Framework**, **MySQL**.
- Architectural design and development of SMS routing entity which can process and route a crore of messages in an hour, developed using **Erlang** and **Mnesia**.

External Short Messaging Entity an external application that routes messages to SMSC, Short Message Service Center.

Email Broadcasting System an application that can store email lists of clients and broadcast campaigns to the lists as scheduled by client.

PrTouch, Mumbai — Software Architect

SEP 2010 - SEP 2011

Worked as technical partner with Founder of the Startup to create platform for email campaign management system.

Minmisoft, Hyderabad — Tech Lead

JAN 2009 - SEP 2010

Worked as technical partner with Founder of the Startup to create customized softwares as per customers requirements.

PagalGuy, Mumbai — Web Developer

AUG 2008 - JAN 2009

Worked as web developer with the team that worked on high scalability of applications as the startup was growing to have large traction.

EDUCATION

DA-IICT, Gandhinagar — B.Tech in ICT

JUL 2003 - MAY 2008

Dhirubhai Ambani Institute of Informations and Communications Technology.

- Won 2nd place in state level competition conducted by WORLD CYBER GAMES (WCG) Contest - Counter Strike.
- Won 1st position in CYBER GAMES-Counter Strike INFODRIVE, I MAZE' 05 on all India Inter College Technical Convention, held at G H PATEL college of Engineering & Technology, Vallabh Vidyanagar.

LANGUAGES

C, JAVA, PHP5, Python, Erlang, Node JS (Meteor JS & React JS), HTML5, CSS3, JQuery

DATABASES

MongoDB, MySQL, PostgreSQL, Cassandra, Mnesia

VERSION CONTROL

Git, SVN

Declaration: The above information is correct to the best of my knowledge.



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