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# RADHAKRISHNA NAYAK

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## CURRENT ROLE

Senior Software Engineer at Plivo

## EDUCATIONAL QUALIFICATION

Bachelor of Engineering in Computer Science from GM Institute of Technology, Davangere

## WORK EXPERIENCE

Total: 5 years and 9 months of professional experience

**Plivo** - Sep 2016 to present

**Jnaapti** - Feb 2014 to Jul 2016

**Infosys** - July 2011 to Feb 2014

## SKILL SET

### TECHNOLOGIES

Python, Go, NodeJS, ReactJS, HTML5, CSS3, Twitter bootstrap, JavaScript, jQuery, ECMAScript 6 (ES2015), BASH scripting

### TOOLS / FRAMEWORKS

Django, Apache2, ExpressJS framework, git

### INFRASTRUCTURE AND PLATFORMS

Amazon Web Services (AWS), Digital Ocean, Docker

### DATA STORES

PostgreSQL, MySQL, MongoDB, Redis

## PROJECT WORK

**Plivo – September 2016 to present** – Plivo is a cloud API platform and a global carrier services provider for voice calls and SMS. Our mission is to simplify global telecom and enable access to quality cloud communications at a low cost.

- **ZenTrunk** – Enterprise grade SIP trunking service. Building modules for rating and routing service. This involves implementing least cost routing, quality based routing, rating CDRs, debit loops for ongoing calls. Different modules are implemented using Go and exposed as services. Mar '17 to present

- **PlivoCloud** – A web interface to manage plivo account and API integration endpoints. Building features for plivocloud like fraud prevention, stripe integration, SSO for support portal, django-redis-session integration. Dec '16 to present
- **Callular** – A web based call center application that uses Plivo APIs for voice calls and SMS. Sept '16 – Dec '16

**Jnaapti - February 2014 to July 2016** – Jnaapti is an online education startup based out of Bangalore. We built a self-paced learning tool called “Virtual coach” where a learner can customize and personalize courses on various technologies. My responsibility was to come up with architectural design, coding and testing various features of virtual coach.

- Looked after majority of engineering aspect of virtual coach.
- Responsible for designing and building core modules of virtual coach.
- Mentored a team of 2 engineers. May '16
- Migration of client side code to ReactJS components. May - Jun '16
- Moved the back-end infrastructure to docker containers. Nov '14
- Migration of database from MySQL to MongoDB. Oct '14
- Developed company's new website using MEAN stack. Aug '14
- Reviewed and coached people with various levels of experience through virtual coach.

**Infosys - December 2011 to February 2014** – Worked as C# .NET developer.

- Worked on image processing techniques to generate a report with high quality image, by merging and scaling different images. Apr '13 – Jun '13
- Responsible for implementing several requirements from client during the development phase. Feb '12 – Feb '14

**July 2010 to Jun 2011** – Successfully completed an internship project named “Payaniga – A Journey Planner”. Our project was a web application, which provided all the details of different places in Karnataka.

- Journey planner provided the shortest distance, detailed descriptions and valuable information about various places of interest to the user

## LEADERSHIP / MANAGEMENT EXPERIENCE

- Successfully guided few internship projects.
  - o **TAME** - A next generation web framework that allows you to build web applications with minimal coding efforts. Jan '16 – Jun '16
  - o **Whiteboard** - The project aimed to enable online trainers to quickly describe interactive visualizations using a concise DSL. Feb '15 – Jun '15
  - o **Zim-Web** - A web based personal wiki/knowledge management tool. The idea was to get Zim wiki (a desktop application) onto web. Feb '15 – Jun '15
  - o **Unit Testing Framework** - Built a framework that will automate the unit testing of solutions submitted by learners on virtual coach. Jul '15 – Aug '15

- Worked as General Secretary and Forum Representative of “Falcon” - a Computer Science forum at GMIT. Jul '09 – Apr '10
- Worked as placement coordinator, involved in various placement activities during final year of engineering. Jul '10 – Apr '11

## AWARDS / ACTIVITIES

- Maintaining my personal website <https://rdkrish.in/>. Aug '13
- Reviewing “Troubleshooting Docker” - a book on Docker. Mar '17
- Awarded with MFG Star Award by Infosys. Q1 – FY '14
- Delivered a talk on “Dealing with web scale data” at GMIT, Davangere. Sep '14
- Completed “Mobile Web Application Development” and “Building a Search Engine” courses from udacity.com. Apr '14
- Awarded with 1st prize and 2nd prize in the CODE-MANIA competitions in Discover '09 and Discover '10 respectively.

## WORKSHOPS / MEETUPS

- **Fast Trackers workshop** – We conducted 7 days residential camp for the students of Reva Institute of Technology and Management on technologies like Polymer, Web Components, jQuery, NodeJS, HTML5, CSS3 etc. This workshop ended with a full day hackathon. Jan '15, Jun '15
- Meetups on various technologies like Python, JavaScript, NoSQL, Responsive web design, Bootstrap, MEAN stack, HTML5, AngularJS. May '14 – Aug '14
- **Free Software Movement of Karnataka** – Volunteered and coached around 200 students in JavaScript and jQuery using virtual coach. Jul '14
- **Bizathon** – It was a 2 days event for women. This event was organized by NASSCOM in partnership with Jnaapti, powered by Google’s #40Forward challenge. Jun '14

## STRENGTHS

- Ability to quickly learn and apply new technologies
- Leadership skills
- Good communication skills

## HOBBIES / INTERESTS

Listening to music & audio books, reading books, watching documentaries

Last updated: March 29, 2017