

Venkataramana Hegde

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Profile

Hi, I'm Venky! I am passionate about computers, I excel at the implementation and operation of services, also expertising on designing. A particular passion of mine is exploring tools which make us more productive. I'm currently focused on development of cloud native services which helps automating development lifecycle. I also have a strong background in Web development.

Skills

Backend

- Java
- Go
- Python

FrontEnd

- Javascript
- Typescript
- Angular

Cloud

- Oracle Cloud (OCI)
- AWS

System & Tools

- Linux
- Docker
- Kubernetes
- Terraform

Database

- MySQL
- Oracle DB
- MongoDB

Experience

[Oracle \(OCI\)](#)

Member of Technical Staff

Nashua, NH
Mar 2020 - Present

- Working as Software Developer on development of Cloud native services which provides high availability solution to deployment pipelines.
- Achieving Infrastructure and Deployment automation using Terraform.
- Offering maintenance and support to Container based CICD platform [Wercker](#).

[UNC Charlotte](#)

Graduate Research Assistant

Charlotte, NC
Feb 2018 - Dec 2019

- Worked as a Research Assistant, to analyze and design approaches that enable and support **active user interaction** with online video.
- Implemented a **Real Time Communication System** to improve the active engagement and analysis of video content, leveraging **WebRTC API** and other open source technologies such as **Node.js, Vue.js, Media Server**, together with **AWS(EC2, Lambda, DynamoDB, S3)**.
- Assisting Professor for the course **Network Based App Dev** using **Java** based Servlet and **JavaScript** based **Node.js** with class strength of 150+ students.

[Allstate India](#)

Consultant

Bangalore, India
Nov 2016 - Dec 2017

- Worked as a Full stack developer in CommonsRTB team and was responsible for the development/enhancement of the application.
- I was asked to rewrite a legacy application "Policy View" to overcome maintenance and resource overhead and improve efficiency.
- Designed a **modular, decoupled API's and UI using, Java based Spring Data REST and Jersey framework**. Used React.js to develop User Interface which leverages the virtual DOM for higher performance. Followed Agile methodology, SCRUM, Pair programming, and Test-driven development process.
- Delivered around **6 REST APIs**, and a prototype of robust User Interface which consumes these APIs and gave a better performance.

[Capgemini India](#)

Senior Software Engineer

Bangalore, India
Mar 2014 - Nov 2016

- As a senior member of the team, was responsible for various tasks which were mainly about the development, enhancement, deployment and improvisation of Web Applications.
- Development of web applications for the clients and improve the performance of the applications.
- Used various technologies to implement the application services and improved the efficiency such as **RESTful Web Services, MVC design pattern, Java APIs, JDBC, Servlets, Java Collection Framework, Exception Handling, JavaScript, AngularJS, Node.js Spring Boot and Spring Batch**.
- Efficiency of the client application were improved, and the improvements were verified using tools such as New Relic and Splunk.

Education

University of North Carolina at Charlotte

Master of Science in Information Technology
Jan 2018 - Dec 2019

Visveswaraya Technological University

Bachelor of Engineering in Computer Science
Aug 2009 - Aug 2013

Side Projects

[Network Topology Characteristics](#) - Java

[Hate Speech Detection](#) - Python

Video Interaction Analytics & Design - Java, Node.js, AWS