

# Bharath Krishna

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## Summary

- An application engineer with 9+ years of experience in IT field.
- Expertise in RESTful API development using Golang, Python and their frameworks.
- Deep knowledge of Kubernetes (with CKA certification) and Docker.
- Building frontend application development using React (NextJS framework).
- Working knowledge of infrastructure-as-code tools like ansible and terraform.
- Knowledge of version controlling tools like Git.
- Experience in leading complete software development with 3-6 team members.
- Have strong exposure to Agile Scrum development methodology.
- A Quick learner having ability to work with multiple projects independently as well as in a team.

## Work experience

### Sep-2014 to present:

Application Engineer, Rakuten India Enterprise Pvt. Ltd. Bengaluru and Rakuten, inc. Tokyo.

#### Roles and Responsibilities:

- Following agile scrum strictly.
- Building REST API services for frontends using Python Flask and FastAPI framework.
- Building authentication and authorization service for the internal cloud services using keycloak and Golang.
- Automating service deployment in kubernetes using terraform cluster and configuration management using ansible.
- Write unit/e2e/integration tests, load tests to check the efficiency and stability of services.
- Lead team of 3 members by assigning tasks providing guidance on requirements.
- Worked as scrum master and as individual contributor to monitor the development progress and follow up with the schedule.

**Tech Specs:** Golang, Python, Kubernetes, Ansible, Terraform, Graph DBs.

### Jan-2014 to Sep-2014:

Associate IT consultant, ITC infotech and Robert Bosch, Bengaluru.

#### Roles and responsibilities:

- Provide support to the source code management tool (MKS and ClearQuest) hotline, automate the support task.
- Write PERL scripts to synchronize data from and to customer site.
- Communicate with clients, prepare the test cases, perform test for software migration, administrate the production and proxy server.
- Supervise performance of the servers.

**Tech Specs:** Perl

### Apr-2013 to Jan-2014:

Software Engineer, eHover Systems India Pvt. Ltd.

**Description:** Build cloud based personal surveillance system for working parents.

**Roles and Responsibilities:**

- Development of a secure system/software to handle CCTV Cameras (using EC2), to capture.
- Store surveillance data in Amazon Cloud servers (in S3) using AWS SDK, development of web interface to access surveillance data using PHP and code igniter.
- Securing data access by URL encryption, development of user-friendly web interface to access surveillance data.

**Tech Specs:** Perl, PHP, AWS (S3, route53, EC2), ZoneMinder.

### Apr-2011 to Apr-2013:

Project Assistant, Dept. of P.G. Studies and Research in Biotechnology and Bioinformatics, Kuvempu University.

**Title:**

Studies on the dynamics of the Endotoxin neutralizing protein interaction Network (PIN) with Anti Inflammatory Molecules

**Roles and responsibilities:**

- Development of Perl modules/programs to perform automated Molecular dynamic simulation of Endotoxin neutralizing proteins.
- Development of web interface using Perl to access these simulation data. Validating these results by in-vitro/in-vivo studies.
- Development of web application to analyze SBML files using python bindings of libSBML package

**Tech Specs:** BioPython, BioPerl, LibSBML, Gromacs,

### Sep-2010 to Feb-2011:

Intern, Software developer, Institute of Bioinformatics and Applied Biotechnology (IBAB), Bengaluru.

**Roles and responsibility:**

- Build "Mammalian Gene Expression Database"
- Development web interface for maintaining bio-curator's Data records using PERL, Mysql, Javascript, and improving database quality by validating curated data.

## Technical skills

**Languages and Web technologies:** Python, Golang, Javascript, HTML, CSS

**Infrastructure Operations and development:** Ansible, Terraform

**Frameworks:** FastAPI, Flask, GoGin, NextJS (React)

**Database:** Graph DB, Mysql, MongoDB, couchbase

**CI/CD and Build tools:** Jenkins, TravisCI

**Cloud Computing:** Kubernetes, GCP

**Container:** Docker

## Certifications and recognitions

Successfully completed "Certified Kubernetes Administrator" Certificate program from Linux Foundation.

## Education

Acquired Bachelor's Degree in Biotechnology then Master's in Bioinformatics from Kuvempu University, Karnataka.

## Personal Profile

Name:	Bharath Krishna
Age:	33 years
Date of Birth:	28/10/1987
Gender:	Male
Nationality:	Indian
Languages Known:	Kannada, English, Hindi, and Telugu.
Hobbies & Interests:	Gardening, farming, gaming and movies

## Declaration

I hereby declare that the above-mentioned information is correct to my knowledge, and I bear that responsibility for the correctness of the above-mentioned particulars.

Date:

Bharath Krishna