Bharath Krishna

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Summary

- An application engineer with 9+ years of experience in IT field.
- Expertise in RestAPI development using Golang, Python and their frameworks like GoGin, GoChi, Aiohttp, flask etc.
- Deep knowledge of Docker and Kubernetes (with CKA certification).
- Knowledge of frontend application development using React (NextJS framework).
- Good exposure to VMware vSphere and its APIs, Network services like DNS using Infoblox and Nominum and their APIs.
- Good exposure to Server Load Balancer using A10 and F5-BigIP and their APIs.
- Knowledge of version controlling tools like Git and SVN.
- Have strong exposure to Agile Scrum process using tools like JIRA, Confluence, Bitbucket.
- Knowledge of Machine Learning algorithms using Python modules like Pandas, Scikit Learn, Tensorflow.
- Experience in leading complete software development with 3-6 team members.
- 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.

Description: Building service orchestration for company's private cloud which is a one-stop service for creating, analyzing, monitoring virtual machines, handle DNS (Infloblox, Nominum), load balancing (A10, BigIP), VM operation (vSphere), Global authentication and authorization platform (Graph DB, OPA, Keycloak) etc.

Roles and Responsibilities:
- Building REST API service bridge between Frontend and backend services using Python Flask and FastAPI frameworks.
- Building authentication and authorization service for the internal cloud services using keycloak and Golang based service wrapper.
- Automating service deployment in kubernetes cluster and configuration management using ansible and Jenkins.
- Design and build asynchronous and non-blocking REST APIs by consuming libraries related various services like vSphere, DNS, load balancer etc.
- Conduct unit, operational and failure tests to check the efficiency and stability of applications.
- Lead team of 3 members by assigning tasks providing guidance on requirements.

- Worked as scrum master and also as individual contributor to monitor the development progress and follow up with the schedule.

Tech Specs: Golang, Python, Kubernetes, VMWare vSphere, SLB (A10, F5), DNS (Nominum, Infloblox) APIs, kong, ansible, Graph DBs (dgraph, neo4j), MySql.

Jan-2014 to Sep-2014:

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

Roles and responsibilities:
- Provide support in 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, Java-script, and improving database quality by validating curated data.

Technical skills

Languages and Web technologies: Python, Golang, HTML, CSS, Javascript, Jquery, Bootstrap
Infrastructure Operations and development: DNS using Infoblox and Nominum, SLB with. A10 and BigIP and their APIs/libraries, Ansible
Frameworks: Django, Aiohttp, Tornado, React, Flask, GoGin, GoChi, Reactjs, ReactD3
Database: Graph DB (Dgraph, neo4j, orientDB), Cassandra, Mysql, MongoDB, couchbase
CI/CD and Build tools: Jenkins, Make
Cloud Computing: Kubernetes, VMware vSphere, AWS and related SDK
Machine Learning: Scikit-Learn, TensorFlow
Container: Docker

Certifications and recognitions

Sucessfully 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