BAMA CHARAN KUNDU
[AI | ML | CKA | CKAD | DevOps | AWS]

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E-portfolio: https://eportfolio.greatlearning.in/bama-charan-kundu

Github: https://github.com/bamachrn

SUMMARY:

I have been working on building models and solving computer vision and natural language processing problems with Machine Learning and Artificial Intelligence.

I have worked to build and maintain registry.centos.org for CentOS based container images. I run the backing service cluster to keep apps and dependencies updated in the registry with regular scans.

I have worked with different DevOps and CI-CD tools, like Docker, Ansible, Jenkins, Kubernetes, OpenShift etc. I have been deploying and running the high availability clusters in AWS, private cloud and on premises data centers.

I always put myself to find and implement better ways for application lifecycle management. I have also been developing web based applications, based on Node.js, Angularjs deployed with microservices architecture. I have worked on managing systems and health check ups for applications, automated testing and RCA.

SKILL SETS:

Tools and Environments: Kubernetes, OpenShift, AWS, Jenkins, Docker, Ansible, nginx
Programming Languages: Go, Python, Nodejs, Angularjs, Java, PHP, HTML, CSS
Computer Vision and NLP: Building RNN, CNNs with transferer learning to train and fit models for solving real life problems.

INTERESTS:

Artificial Intelligence and Machine Learning, DevOps, Continuous Integration – Continuous Deployment, Infrastructure Management with clusters, Scaling, Web Development

WORK EXPERIENCE:

Sr. Software Engineer, Hybrid Cloud Engineering, Red Hat, Jan 2016 – Present
At Red Hat, I am contributing to setting up an automated product release process for our developer projects. I work for running and building clusters for registry.centos.org service. We run the backing service and API server, CentOS Container Pipeline, for registry.centos.org to make sure it keeps all the apps and dependencies updated for the container images.
We are developing different build strategies and tools for building and distributing container images in Kubernetes or OpenShift based architectures.
I work on developing, deploying and maintaining different microservices based applications developed using Node.js, AngularJS, Go and deployed in kubernetes and OpenShift clusters. I also work for building and maintaining tools like helm, source-to-image etc.

DevOps Lead, ALM Tools, Cybage Softwares Pvt. Ltd. Nov 2014– Jan 2016
At Cybage, I had worked as DevOps lead on Application Lifecycle Management using different tools like Docker, Chef, Mesos, Mesosphere, etc. I had also looked after implementing CI-CD for different projects using tools like Jenkins, build tools like Grunt, Maven etc. I developed web applications using Node.js, AngularJS, running REST API based communication mechanism using JSON.

System Engineer, Apache Tools,Tech Mahindra Ltd. April 2012 – Oct 2014
At Tech Mahindra, as part of the Apache tools team, I had developed different tools like Automated Health Check, SSL Certificate Check, etc for applications. I also used to work on automating different system level and application level checks for different large scale applications.

OPEN SOURCE DEVELOPMENT WORK:

- Maintainer of https://github.com/CentOS/container-pipeline-service
- Maintainer of https://github.com/centos/container-index.git
- Maintainer of https://github.com/bamachrn/reg as registry.centos.org GUI
- Wrote a desktop application software openzilla in python, MySQL, gtk+.
- Wrote patches for wordgroupz, a vocabulary building application.
- Wrote a patch for xnoise music player in vala.
- Worked for an application for maintaining the records of Food-for-Life project written in python, gtk+, MySQL.

ACADEMICS:

- **PGP** in Artificial Intelligence and Machine Learning from Texus McCombs with Great Lakes, 2020-2021
- **Bachelor of technologies** in Information Technology from West Bengal University of Technology, 2007-2011 (DGPA–CGPA 8.45)
- **Higher Secondary** from W.B.C.H.S.E., 2007 (Aggregate: 76.8%)
- **Madhyamik** from W.B.B.S.E., 2005 (Aggregate 84.5%)