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Top Skills

Python
Linux
Apache

Languages

Tamil
Telugu
English

Publications

Web based Power Management tool

Mahabu Subhani

DevOps Lead at IQLECT
Bengaluru, Karnataka, India

Summary

Software development experience ranging from building embedded Linux systems, desktop applications to distributed back-end systems for high-traffic websites, writing high-performance scientific tools to modern proxy servers.

I have a "I don't trust humans" approach to software processes and believe that most day to day tasks can be solved, accelerated and made more reliable through automation. I use culture and automation as self sustaining tools to promote excellence and nurture productivity.

Extensive experience in adapting open-source technologies and tools to industry projects/products. Wide experience in conducting/managing developer conferences, Working with the developer community.

Detailed understanding of CI/CD and DevOps Concepts. Hands on experience in Cloud Infrastructure automation and Automation of routine activities using open source tools. Experience in designing cloud based monitoring solutions, configuration management solutions and orchestration solutions.

Specialties: C/C++/Python, Databases, SEO, Scalable Architectures, DevOps, Open-source communities.

Cloud Infrastructure: AWS, Google cloud, Oracle Cloud.

Experience

IQLECT
DevOps Lead
March 2019 - Present
Bengaluru Area, India

Responsible for the conceptualisation, technical design, deployment and support of IQLECT's production cloud infrastructure.

I bootstrapped and scaled the company's Continuous Integration from a manual procedure to a fully automated solution (from commit to deployment to QA, Dev and Production environments). The team designed and implemented custom services that enabled the company's massive growth by allowing the rest of our Engineering organisation to focus on developing high quality code and enabling the Operations group to handle deployment to hundreds of servers through a few clicks.

Along with this, I lead/support/develop a mixture of talented Systems Engineers and Software Developers who are responsible for scaling our fast growing bare-metal and private cloud based platforms.

Technology I own, includes, AWS, Google Cloud, Openstack, Docker, and other infrastructure services.

Key Stakeholders: Development Managers, Infrastructure Managers and senior leadership.

ZeroStack

Member Of Technical Staff

May 2018 - February 2019 (10 months)

Bengaluru Area, India

Build Automation framework using python & pytest from scratch.

Automation using REST APIs(using py.test framework) and UI

Automation(using selenium with python).

Test cases for OpenStack Network, Image and other

ZeroStack backend APIs. AD/LDAP integration with Keystone.

Worked on Distributed-systems, open stack management, Platform upgrades orchestrations.

Kubernetes and container orchestrations. Developed multiple REST APIs for features

and improvements related to private cloud management.

Skyhigh Networks (Acquired by McAfee)

Senior Member Of Technical Staff

September 2013 - March 2018 (4 years 7 months)

Bangalore

Redesigned the Continuous Deployment infrastructure by implementing hundreds of Jenkins jobs and python tools integrated with a highly scalable and flexible deployment system based on the GLU platform. Spearheaded the Testing Driven Development culture to greatly improve code quality, stability and scalability.

Used Python extensively for developing tools, automation and for web apps.

Led development teams across a variety of projects. Collaborated with Project Managers to develop focused plans and solution. Involved individual team members in decision-making process through meetings.

Designed, scaled and managed virtual infrastructure. Implemented Zabbix/Splunk monitoring for multiple environments.

Developing Shell/python Scripts for housekeeping tasks.

Skyhigh Networks was acquired by MacAfee.

BigBasket.com

Senior Software Engineer

May 2012 - August 2013 (1 year 4 months)

Bangalore

BigBasket.com is India's largest online food and grocery store. With over 10,000 products and over a 1000 brands in their catalogue.

Being in a very small team, I involved in almost all the core development activities of the project. They include:

1. Designing database-models and writing controller functions for them.
2. Providing the JavaScript functionality to some extent.
3. Maintaining Amazon cloud servers and Nginx servers.
4. Written Django middle-ware to log each production request information and replay same request traffic in test environment.
5. Also developed restful API's for E-retail and Mobile Apps of BigBasket.

Dell R&D

Python Programmer

October 2009 - April 2012 (2 years 7 months)

- 2+ years' experience in Automation framework and content development activities
- 2 years' experience in Building Pre OS environments.
- Instrumental in Design and Develop the Standard Automation Frameworks for CLI and GUI Products
- Developing the Automation Scripts for pre OS Test environments.
- Instrumental in Design and Develop the Zero Touch BVT Automation for OM Products

Servelots

Web Developer

April 2007 - April 2009 (2 years 1 month)

One of the core developer of Pantoto(CMS) web application, Writing Python scripts for application daily backups, Scraping sites for some data from our old website, writing scripts for automated database migration. Also responsible for managing Linux systems, Tomcat, Subversion, Apache Servers.

1. Designing url patterns, database-models and writing controller functions for them.
2. Writing the scrapers in python to retrieve the information from various sites.
3. Providing the JavaScript functionality to some extent.
4. Providing the user preferences functionality.

Education

Sri Krishnadevaraya University

Bachelor's degree, Maths · (2002 - 2005)

ZPH School

Maths · (1994 - 1999)