Ravindra Bhargava

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Highly skilled and experienced Cloud Architect/Engineer with over a decade experience in the IT industry. Proficient in a variety of programming languages, including Python. Proven track record of successfully designing, building, and maintaining public cloud-based systems in a variety of Linux environments.

TECHNOLOGY SKILLS

GCP, AWS • DevOps • Cloud & Container Security • Cloud IAM Governance.
• Bash/Shell • Terraform • Python, CI/CD •Linux ● Storage • Bitbucket pipelines and Github Actions

CERTIFICATIONS

Google Cloud Certified Architect • Google Cloud Certified Security engineer • Google Cloud Certified Associate Engineer • Google Cloud Certified DevOps Engineer • Certified Kubernetes Adminstrator.
• Azure Certified Architect Technologies

WORK EXPERIENCE

LOOP Mobility Inc.   (Remote/Full Time)
GCP Cloud & DevOps Architect

Oct'2021 to Dec'22

Cloud infrastructure solution design and implementation on in-house 3-tier web application programmed on react and NodeJS along with fully automated build process using CICD pipelines with source code repository on Bitbucket.

● Organized the LOOPs cloud infrastructure with best-in-class strategy, divided environments, and access between the organization's folders structures while adhering to cloud security guidelines and the least privilege rule.
● Managed and orchestrated large-scale GCP native software environments, ensuring seamless scalability and optimal performance.
● Expertise in both relational and NoSQL databases.

● Proficiently managed Linux/Unix systems, leveraging in-depth administration skills to ensure optimal system performance, security, and reliability.

● Proficiently designed and executed automated Amazon Machine Image (AMI) generation procedures, contributing to streamlined deployment and consistent infrastructure.
● Utilized expertise in AWS public cloud to architect and deliver customer-focused solutions, leveraging Terraform and Ansible templates to efficiently deploy resources.
● Streamlined operational efficiency by automating routine tasks, adhering to established engineering standards, and maintaining high standards of reliability.
● Designed and implemented robust CI/CD pipelines using deployment tools like Cloud Build, Bitbucket and GitLab, enabling rapid and consistent software delivery.
● Demonstrated proficiency in Linux system administration, resolving complex L3 Linux operating system issues to maintain system integrity.
● Proficiency in container technologies such as Docker and Kubernetes or other container orchestration platforms
● Experience with Google Cloud services like Spanner, Retail Common Services, PostGresSQL, Cloud Storage, Cloud Run, App Engine, Compute Engine, GKE and BigQuery.
● Conducted comprehensive architecture reviews to identify gaps and proposed effective solutions to optimize the entire cloud environment.

- Continuous improvement in cloud infrastructure and DevOps framework while applying best practices to match the dynamic technology demands.
- API experience with Apigee and API Gateway API exposure platforms.
- Understanding of Identity and Access Management, user and system authentication methods, and certificate management.
- Excellent interpersonal and organizational skills, with the ability to handle diverse situations, multiple initiatives, and rapidly changing priorities.
- Worked with developers to design and implement continuous integration and delivery pipelines using Docker and Cloud Build/Code Build.

Kamlax Global Technologies Sdn Bhd | (contract)   **Kuala Lumpur, Malaysia**
Google Cloud Architect   *Nov'2020 to Sept'2021*

Client- Capgemini Malaysia

- Public cloud and DevSecOps Advisor for large enterprise customers in Malaysia from Capgemini..
- Providing and implementing the best frugal, robust, and secured cloud solution as per client use case.
- End to End application Migration from On-premises to Public Cloud.
- Handled scalability and Validation related problems.
- Analyzing requirements, developing technical cloud-native solutions, and performing solution gap analysis via Agile and Scrum methodologies.
- Presentation and Demo to new clients of technical solutions PoCs and RFPs.
- Automation of mostly manual day-to-day activities using bash and python on Linux (RHEL) based servers.
- Containerization of applications using Kubernetes and Docker bases solutions i.e., achieving more frugal, robust, secured, and fully automated flawless application with almost 20 -30% cost reduction of total computer cost.
- Improving TCO by Innovative robust solution design and deployment using various technologies in the public cloud, hybrid cloud, and on-prem environment.

TGS Enterprise Networks Sdn Bhd | (contract)   **Kuala Lumpur, Malaysia**
Technical Consultant   *July'2019 to Jun'2020*

Client- Nice Singapore Pte Ltd, Singapore

- Onsite client technical advisor to NICE Biometrics and Nexidia Analytics.
- Certified in many NICEs products technical Certifications.
- Automating tasks using his programming and analytical skills on Linux Servers using python and Bash..
- Translate business requirements into technical architecture of the proposed solution taking advantage of commercial off-the-shelf functionality minimizing required customization.
- Knowledge of agile software development methodologies
- Ensure continuity of architecture decisions during implementation by coaching the implementation team.
- Meetings with the client's higher management and demonstration of technical details about the solution.
- Providing tailored solutions as per clients' use cases and requirements.

SSA IT Consulting Sdn. Bhd | (contract)   **Kuala Lumpur, Malaysia**
Technical Consultant   *April'2018 to Sep'2018*

Client- SIGOS GmbH

- Remote consulting on Telecom technical revenue assurance products with SIGOS clients across the globe.
- Online meetings with the client's higher management and demonstration of technical details about the solution.

- Help clients with their technical challenges with the products and guided them with the best possible solutions.
- Automation on Linux Servers using python and Bash programming.

Sterlite Technologies Limited (Elitecore) | (Full Time)   **Kuala Lumpur, Malaysia**
Sr. System Engineer   *July'2016 to Jan'2018*

Client - YTL Malaysia,

- Onsite client technical system specialist at client's on-premises datacentre Linux servers.
- Implementing and planning new build upgrades on the servers and preparing technical SOPs for to team to perform tasks on other servers.
- Guiding and mentoring team on technical tasks and helping them to groom technical skills.

Airtel India | (Full Time)
Assistant Technical Manager   **Guwahati, India**
                                                                                                                      Jan'2015 to Jul'2016
- Optimization of Linux-based monolithic environment using bash and python-based programming.
- Strategic planning to load balance the traffic and DB utilization of telecom subscribers using reports analytics.
- Lead the technical operations with several vendors and provide end-to-end planning for technical upgrades, planned changes, and business upgrades of servers.
- Handles and lead all technical issue related to telecom billing and charging with close coordination with related service vendors.
- Optimization of the performance of the server by introducing best practices and innovating new processes to get the best business outcome from technical operations and development.
- Maintaining SLAs and KPIs strictly up to the mark mostly 99.99% and adhering to the service availability of Linux server-based applications.

Ericsson Global India | (Full time)
Customer Support Engineer- Level 2   **Gurgaon, India**
                                                                                                                      Dec'2011 to Jan'2015
- Global support on tier 2 level Linux-based application servers on RHCE.
- End-to-end simulation of tier-2 level issues on the test environment and prepare the bug report.
- Creating Jira to report a bug to the R&D team.
- Working closely with R&D to prepare the fix, hotfix, and new release of the reported issue.
- Mentor and coach the junior team members and help them to work on technical issues.

Avion Systems Pvt. Ltd| (Contract)
Sr. Engineer- Managed Services   **Guwahati, India**
                                                                                                                      Apr'2011 to Dec'2011
Client-Huawei Technologies, India

- Migration project, Migrating running applications from one service provider to another.
- End-to-end planning and execution of migration scripting.
- Automation of Linux servers using Python and bash scripting
- Linux command line and bash scripting.

Adecco India Pvt. Ltd | (Contract)
Support Engineer

Bhubaneshwar, India
Oct'2009 to Apr 2011

Client- ZTE Telecom Pvt. Ltd, India
- Global support on tier 2 level Linux-based application servers on RHCE.
- End-to-end simulation of tier-2 level issues on the test environment and prepare the bug report.
- Creating Jira to report a bug to the R&D team.
- Working closely with R&D to prepare the fix, hotfix, and new release of the reported issue.
- Mentor and coach the junior team members and help them to work on technical issues.

LEADERSHIP EXPERIENCE

LOOP, USA   **Remote**
Cloud & DevOps Engineer

- Mentored and coached team members, resulting in improved performance and professional growth for 5 team members.
- Collaborated with executives and key stakeholders to define the organization's vision and priorities, and led the team to align with these goals.
- Developed and implemented a strategic plan to optimize the use of GCP cloud prod and non-prod environments, resulting in the delivery of the most secure, robust, and frugal solution.
- Demonstrated adaptability and resilience in the face of changing priorities and unexpected challenges, and led the team to do the same.

Capgemini, Malaysia   **Kuala Lumpur, Malaysia**
GCP Cloud Architect

- Fostered a positive team culture by promoting open communication, constructive feedback, and recognition of individual and team achievements.
- Developed and implemented training programs to enhance the skills and knowledge of team members in the Cloud and DevOps areas.
- Proactively identified and addressed potential risks and issues, working closely with the team to develop contingency plans and minimize the potential impact on project timelines or budgets.

Airtel, India   **Guwahati, India**
Assistant Manager
- Took charge of the responsibility of Assistant Manager for a period of 1 year and 6 months, helped in successfully rolling out the project.
- Mentored new joiners, and brought them up to pace with the project. Organized knowledge-sharing sessions, and shared the best practices. Managed a team of 5 people.

ACCOMPLISHMENTS
- Reduced infrastructure costs by almost 25% while optimizing cloud resources and implementing cost-saving measures and best practices, such as reserved instances, preemptible VMs, and spot instances.
- Implemented GCP landing zone from scratch Org structure, IAM policy implementation, Centralised Networking, logging, and container registry.
- Mentored many new team members to bring them up to speed on projects, resulting in quicker overall completion milestones.
- Lead the team as a DevOps and Cloud lead in previous projects, and developed leadership skills as well while doing technical jobs.

EDUCATION

Rajiv Gandhi Technical University   **Bhopal, India**
Bachelor Of Engineering (B.E.)   *Sep 2008*
- Electronics & Communication Engineering

INTERESTS

I am a good photographer and keen on reading technology blogs on Medium.