

ASHOK KUMAR

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PROFESSIONAL SUMMARY:

- Over 3+ years of experience in IT industry with imperative concentration on cloud designing and management, DevOps, automation, Linux administrator, Security Compliance, Solution Architecture
- Experienced with Linux Administration, Configuration Management, Build and Release Management in all phases of **Secure** software development life cycle (**SDLC**) process including Analysis, Design, Development, Implementation, Integration, Testing, Production, and Maintenance in Enterprise Applications.
- Experience in Infrastructure Development and Operations involving **AWS** Cloud platforms, **EC2, S3, VPC, RDS, SES, ELB, Auto scaling, CloudFront, Cloud Formation, Cloud Watch, SNS, Route 53**.
- Experienced in Implementing Configuration Management tools like **Ansible**.
- Experience in **Linux Administration** (Installation, Configuration, Tuning and Upgrades of Linux).
- Implemented **Git, GitHub, GitLab, BitBucket** as Version Control tools.
- Worked on **Jenkins** and **Buddy Works** for continuous integration and for End to End automation for all build and deployments.
- Strong comprehension of central advancements like **DNS, Load Balancing, SSL, TCP/IP, Security best practices**.
- Experienced in configuring and monitoring tools like **CloudWatch ,Graylog** and **Splunk**.
- Regular **auditing** cloud resource, server, the application against **security compliance**.
- Permoed **VAPT** on periodically and sustained application reliability.
- Knowledge about **CNCF** projects **rkt, helm, kubernetes, prometheus, grafana**
- Coordinated different teams across the globe to deploy different builds to different environments on parallel development for multiple projects.
- Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.
- Versatile team player with excellent analytical, presentation and interpersonal skills with an aptitude to learn new **technologies**.

TECHNICAL SKILLS:

Programming Skills: Shell Scripting, Node JS, Python, PHP,

Operating systems: Windows 2012/2012R2, Ubuntu, Rancher V2

Configuration Management Tools: Ansible,

Continuous Integration Tools: Jenkins, Buddy Works

Bug Tracking Tools: Jira, Mantis

Cloud Platforms: AWS, Google Cloud, Digital Ocean

Databases: MySQL, MongoDB, Redis

Tools & Utilities: Docker, Docker-Compose, Vault, Confluence, Yarn, Gulp, Github, GitLab, BitBucket

Security and Compliance: Kali Linux, GDPR, PCI-DSS

WORK EXPERIENCE:

❖ [Think & Learn Pvt Ltd \(BYJU'S\)](#), Bangalore, India **Tech Associate** (Feb 2019- Present)

My roles include:

- Collaborate with product management, other cross functional leads and teams on both technical and business strategy to shape the future product roadmap of HigherEdu Upskill millions, Reporting directly to the **Vice President** of the company.
- Design and architect solutions for existing client-facing applications as they are moved into cloud environments such as **AWS** and **GCP**
- Managed the cloud infrastructure environment through cross technology administration (**OS, databases, virtual networks**), execution of scripting and monitoring automations.
- Evaluate new tools, technologies, and processes to improve speed, efficiency, and scalability
- Managed the environment incidents with a focus on service restoration. Act as operations support for all things at tech
- Support and **troubleshoot scalability, high availability, performance, monitoring, backup and restores** of different environments
- Maintaining a farm of **EC2** instances, **ELB** and **RDS**.
- Evaluated **Rancher V2** for managing and secure enterprise **Kubernetes**.
- Initiated microservices application through **Docker** cluster formation for scalability of the applications.
- Works with engineers and application developers' groups to implement solutions for the company's SSO integrations **OAuth, Amazon Cognito**.
- Unified Payment Gateway's integrations from multiple vendors
- Designed and implemented the **backup strategy** for all the critical systems such as build machines, **bug tracking** tools, central repositories etc.

❖ [BigAppCompany](#), Bangalore, India **Cloud Security Engineer** (Dec 2017- Feb 2019)

My roles include:

- Involving all phases of Secure(S)-SDLC and be able to address and mitigate security risks at all phases .
- Architecting the public cloud services on **AWS, GCP, Heroku, Digital Ocean**
- Responsible for maintaining and managing the company's **GitLab** and **git** projects **branching strategies** for agile lean teams .
- Building the DevOps pipelines(**CI/CD**) for multiple projects .
- Ensured processes are deployed successfully to the production environment .
- Integrating multiple enterprise applications using various authentication **SSO** mechanisms(**OAuth, SAML, ADFS**).
- Installing and configuring the **VPC, VPN** (IPSec Tunnels), and **SIEM** tools (**ELK, Splunk, Alienvault**) and Network firewalls (pfsense, OPNsense, **Fortinet**,...) for protecting corporate data networks and mitigation security risks .
- Regular auditing AWS resource (CloudTrail) , server, the application against **security compliance**
- Planning and implementing the **Backup and DR** solutions for clients.
- **GDPR, PCI-DSS** Compliance controls Implementations on cloud for word class travel and expense [SaaS solution](#)

❖ [SKILLMITHRA](#) - **Lead Engineer/Co-Founder** (Jan 2017- Dec 2017)

My roles include:

- Leading all things at tech
- Bootstrapping the startup and Hiring/Mentoring the Interns
- To Communicate with the College TPO's and University Professors understand the students requirements and prepare a plan of action to build the product accordingly focusing on process automation .
- [Code Work](#) *Full Stack Developer* - Competitive coding platform which helps the students to improve coding skills.
- [Resume Builder](#) *Back End Developer* - Developed using **Loopback JS** and **MongoDB**.
- [Job Feeder](#) *Backend Developer* - Developed the **python** web scraping scripts for various popular job posting sites and integrated into the frontend.

❖ [Knights Robo Corp](#) - **Co-founder/Trainer**, (Mar 2015- DEC 2016)

My roles include:

- Conducted hands-on workshops on cloud ,full stack web development, cyber security across several engineering colleges .
- Developed stack overflow clone to nurture the students .

❖ **Freelancer**. Worked on the Mobile and Web Technologies. (Mar 2012- DEC 2015).

- Mentored more than 10+ the G Suite clients administrators according to their business needs.
- Consulting various open source scripts (**wordpress,drupal** etc..) that fits client requirements and is deployed on cloud according to client business needs.

❖ [Real image Media Technologies](#) - **Technical Support Engineer** (AUG 2011- DEC 2011)

My roles include:

- Server integration (**Installing, Configuring, Maintaining** and **Troubleshooting**) the digital cinema servers.
- Issuing the KDM's .

Hackathons and Projects:

- [HackerFlair](#)(Ongoing) – Automate Vulnerability Assessment(VAPT) Process with AI and Popular Open Source PenTesting Tools.
- [Testupskill.com](#) Skill Assessment Engine (over 1 lakh + question bank on 40 domains)
- [Facebook](#) World Hack. Music Fire is a Mobile app Built using FB Open Graph API and Android SDK
- 12th 5 year plan Hackathon organized by planning commission of India at IISc . Developed Mobile App "ReportFlu" using Google Maps API and PhoneGap

Academic Projects:

- Automation of Teleservices management system (Diploma)
- Department Workflow Automation for Engineering Colleges (BE)
- Enhanced Asset Analyzer: AI Chat BOT for Securing IT assets and Incident Response (BE)

Online Courses and Professional Certifications:

- Certified Associate Cloud Architect From **AWS** educate
- Certified Cyber Security Engineer From **AWS** educate
- MongoDB for Developers from **MongoDB** University

- Certified **Professional-Agile Application Security Tester**
- Security in the Enterprise From Microsoft Virtual Academy (MVA)
- Public Cloud Services: Setting Up Your Business in the Cloud (MVA)

Conference Presentation and Publications:

- “IoT Security Threats and Risks Mitigation” a paper presented at **ICIOT** 2016 conference
- “Enhancing security of Docker using Linux hardening techniques” a paper presented at [IEEE iCATccT](#) 2016 conference.

Extra-Curricular Activities/Achievements:

- Volunteering for Ministry of Micro, Small & Medium Enterprises (MSME) as **SME** - 2020
- Volunteered for [FreeBSD](#) Foundation - 2018
- Contributed under ministry of statistics and programme implementation as mentor for the [Team Negatives](#) in `Smart India Hackathon - 2018
- Contributed as Elevator for `Smart India Hackathon - 2018
- Runner-up Accenture [HACKFORWARD](#) Finals CTF - 2017
- Won Salesforce ML Challenge OSI Days -2017
- Contributed as Mentor under Ministry of Env, Forests and Climate `Smart India Hackathon - 2017
- [Won Code runner challenge](#) by [LinkedIn at PyCon](#) - 2015
- Volunteered for rootconf – 2014
- Member of the Microsoft Virtual Academy (MVA) Founders Club

Educational Qualification:

Course	Institution	University Board
B.E (ISE) 2014-2017	Dayananda Sagar College of Engineering	VTU, Belgaum,Karnataka
DIPLOMA (CSE)	Siddaganga Polytechnic - Tumkur	DTE- Karnataka
SSLC	SM English School - Madhugiri	KSEEB

Personal profile:

Name : Ashok Kumar NR
 Languages Known : English, Kannada,Hindi,Telugu
 Interests : Distributed Systems, Cybersecurity..

Declaration:

I hereby declare that the above information is true to the best of my knowledge.

(ASHOK KUMAR NR)