SENTHAMIZHSELVAN [SANDY] | DEVOPS ENGINEER

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SUMMARY

- Dynamic professional with 3+ years of comprehensive experience in Cloud and DevOps
- Exceptional skills in Container technologies, AWS Cloud Migration, Linux Administration, CI/CD Integration, working in Agile environment
- Championed in cloud provisioning tools with IAAC
- Expertise in providing valuable insights building Data science models with Python and Pyspark
- Good Knowledge in building REST APIs using Nodejs, Springboot and configuring API Gateways

SKILLS

CI Tools: Gitlab, Jenkins, Bamboo	**Container Technologies:** Kubernetes, Docker, Docker swarm
Infrastructure, Configuration Management: Terraform, Ansible, CloudFormation	**Machine Learning:** Python, Pyspark, NLP, Classification, Clustering, Deep learning
Scripting: Python, Bash	**Development:** Nodejs
Monitoring & Logging: ELK, Grafana	**DevOps Tools:** Git, Artifactory, Jira, Maven, Nexus, ArgoCD, Helm
Cloud Platform: AWS, Azure	

EDUCATION

University of Hertfordshire, UK   **SEP' 19 – SEP' 2021**

Master of Science in Artificial Intelligence with Robotics **GPA: 3.1/5**. Coursework include Artificial Life with Robotics, Theory & Practice of Artificial Intelligence, Neural Network & Machine Learning, Legal & Ethical Practise | Student Representative UH

Projects:
- Credit Card Fraud Detection using Machine Learning
- Lung Cancer Detection using Artificial Intelligence
- Big Data Analytics using Machine Learning

IFET College of Engineering, INDIA   **AUG' 15 – APR' 2019**

Bachelor of Engineering in Mechanical Engineering **GPA: 7.1/10.** Coursework contains Calculus and Highly focused on practical experiment activities in the laboratory.

EXPERIENCE

Bigspark Limited, UK   **OCT' 21 – SEP' 2023**
DevOps Engineer

- Responsible for enterprise-wide CI/CD. As part of Streamsets team, our effort help **scale SDLC stack for 60k+ projects**
- Spearheaded the seamless integration of Streamsets and ServiceNow, automating alarm activation for engine and pipeline failures; increased operational efficiency by reducing manual intervention by 75% and minimizing resolution time by 60%
- Managed releases for enterprise-wide devops tool chain such as self-hosted Gitlab, Nexus using various deployment strategies and written various robust scripts and setup Monitoring/Altering
- As part of Security, fixed numerous security violations and adopted best practices in cloud
- Build Terraform modules for onboarding applications to shared-vpc and build consolidated central cloud watch dashboards for 30+ AWS Accounts
- Lead and implemented various strategic initiatives involving AWS shared-vpc for bulk migration of on-prem apps

Junior DevOps Engineer

- Setup various network connectives and configured firewalls from On-prem to AWS
- Written Rest-API to convert the payload to SMTP bound for internal mail server with authentication and authorization.
- Integrated LDAP for enable the automatic removal of users & generate credit reports of users. Implemented CI for Spark Job server and container services on AWS EC2
- Integrated EMR cluster with Streamsets Transformer, ensuring uninterrupted data processing and transformation.
- Responsible for container fleet management for micro-services in ECS, Docker, Kubernetes

MRB Steel & Structure, INDIA   **MAY' 18 – APR' 2019**
Junior Engineer

- Orchestrated the architectural and construction of an on-premises website, leveraging cutting-edge technologies to deliver enhanced user experience and performance optimizations; reduced page load time by 40% and increased conversion rate by 25%
- Leveraged Python frameworks to enhance the platform's efficiency.
- Data integration was improved while deployment operations were streamlined. Data security, secure access, and regulatory adherence were all ensured by eliminating 70% of manual interruptions.

CERTIFICATIONS

- Certified Terraform Associate – 003, AWS Cloud Practitioner, Streamsets White belt, Snowflake Data Warehouse

OTHER ACTIVITIES

- Volunteered in development of Data integration platform for the Govt of Tamil Nadu (TNeGA)
- 24th Rank in Indian Engineering Olympiad held in 2017 (All over India)