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| Lathika Vivekanandan  Senior DevOps Engineer   |  |  | | --- | --- | | **Address:** Wellington, New Zealand  **Phone :** +64 212706392  **E-mail: lathikavivekanandan@gmail.com** | LinkedIn https://www.linkedin.com/in/lathika-vivekanandan-004548136/ | |

DevOps and Infrastructure Engineer with a proven track record in automating infrastructure, optimizing deployment pipelines, and enhancing system reliability. Experienced in working with cloud platforms, containerization technologies, and CI/CD practices. Adept at producing clean, consistent, and well-organized code, mentoring other engineers, and collaborating across teams to drive continuous improvement in production environments.

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| **A white puzzle piece on a blue background  Description automatically generated** | **Skills** |

**Scripting Languages**: Python, Bash Shell, Power Shell

**Programming Language**: Java

**Orchestration Tools**: Ansible, Git, CAITPAM, SCORCH, VRO

**Database**: MYSQL

**Infrastructure as Code:** Terraform, Ansible

**Other Tools:** Terraform, Cloud-based CI/CD pipeline (Azure DevOps)

**Containerization:** Docker, Kubernetes

**Cloud & Infrastructure**: AWS

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| **A white line on a blue background  Description automatically generated** | **Work History** |

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| 2023-03-  Present | **Senior DevOps Engineer**  Computer Concepts Limited (CCL), Wellington   * **Infrastructure Automation & CI/CD**: Created agents and built CI/CD pipelines using Terraform, Puppet, Docker, and Azure Pipelines. Automated the setup and installation of various agents like Tenable Nessus, Qradar, and Trend Micro Deep Security for Linux and Windows environments. * **AWS Lambda Functions**: Developed and deployed AWS Lambda functions to automate routine tasks, such as scheduled backups and log processing, reducing manual interventions and improving operational efficiency. * **AWS** **Event-Driven Automation**: Set up AWS EventBridge rules to route events from various AWS services to Lambda functions and step functions, automating routine tasks such as server scaling and security checks * **AWS Cloud Management**: Managed and optimized AWS cloud infrastructure, deploying and scaling applications using EC2 instances, S3 buckets, and CloudWatch for performance monitoring and logging. Integrated **AWS EventBridge** to create event-driven workflows that automated system monitoring and maintenance tasks, enabling real-time responses to system events and improving overall infrastructure efficiency. * **System Design & Monitoring:** Automated SolarWinds SNMP configuration for new machines, enabling efficient monitoring. Leveraged Ansible, Git, Python, and Bash scripting to ensure secure, scalable system operations. * **Offboarding Automation:** Developed and executed scripts to automate the removal of snapshots and backups during the offboarding process, ensuring systems were properly decommissioned without leaving orphaned data. This included validating backup statuses before disabling and removing them, reducing potential issues in the process. * **CrowdStrike Falcon Task:** Managed the extraction of host entities from the CrowdStrike Falcon platform, handling large datasets with over 68,000 records. Implemented a process to iteratively fetch data in compliance with API limits, ensuring comprehensive data retrieval for security analysis. * **Linux server optimization**: Implemented Linux server optimization strategies that reduced system downtime by 50%, ensuring high availability and reliability across all cloud platforms. |
| 2021-07 -2022-09 | **Application Engineer**  AMAZON.COM, Chennai (India)   * **AWS EventBridge Integration**: Designed and implemented event-driven architecture using AWS EventBridge to automate the triggering of various workflows and notifications based on custom events in real-time, improving response time to system issues and reducing manual intervention. * **AWS Landing Zone Setup**: Implemented and managed AWS Landing Zone to create a secure, scalable, multi-account AWS environment. Used AWSOrganizations, Control Tower, and Service Catalog to automate the setup of new AWS accounts with pre-configured security and compliance baselines * **Automation & CI/CD:** Automated the onboarding of services to Cloudauth, ensuring secure and scalable deployment. Utilized Java for code changes and testing in Gamma and Beta environments, ensuring seamless production rollouts. * **Security Enhancements**: Implemented AWS security best practices using IAM for role-based access control and VPC configurations to enhance network security. * **CI/CD Pipeline Optimization**: Integrated AWS CodePipeline to automate deployment workflows and post-deployment validation, improving delivery speed and reliability. * **System Migration & Optimization:** Led Project Sandwich, migrating applications from legacy to power-efficient hosts. Ensured thorough testing and validation in new environments before releasing legacy hosts. * **System Design & Development:** Upgraded KindleSocialWebView Service, implementing code changes and testing for improved performance and compatibility. * **Performance Improvement:** Worked on the YJ100 program to enhance reader experiences by converting titles to the YJ format. Used Python and Shell scripting to resolve errors and avoid content cuts. |

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| 2018-06 - 2021-07 | **Automation Engineer**  HCL TECHNOLOGIES, Chennai (India)   * **Infrastructure Automation:** Established end-to-end server build automation, integrating ServiceNow for change management, and deploying pre- and post-build configurations for VMs.  Technologies used: PowerShell, CAITPAM, Terraform. * **Decommissioning Automation:** Automated the server decommissioning process, reducing manual effort by automating key tasks and stakeholder notifications. Technologies used: PowerShell, ServiceNow API, Python. * **System Monitoring & Patching:** Integrated servers into SolarWinds and BigFix for monitoring and patch management, ensuring systems remained compliant and secure. |

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| **A white square academic cap with a tassel  Description automatically generated** | **Education** |

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| 2014-08 - 2018-05 | Bachelor of Engineering: Electronics, And Communications Engineering  RMK College of Engineering and Technology – Chennai |

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| **A white circle with ribbons on a blue background  Description automatically generated** | **Certifications** |

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|  | * Terraform Associate Certification * AWS Certified Cloud Practitioner * 10k women AI Advantage course from Microsoft * Pursuing AWS DevOps Certification path |
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| **A white circle with ribbons on a blue background  Description automatically generated** | **Professional Affiliations** |

* Member, DevOps Institute