

Sahan WickramaArachchi

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AREAS OF EXPERTISE

Cloud Computing, DevOps, Middleware, Virtualization, Service Management, Linux Systems Administration, DBMS, Infrastructure Automation, CI/CD, Entrepreneurship, Community Service, Business Administration.

PROFESSIONAL EXPERIENCE

London Stock Exchange Group – Technology (LSEG Tech)

Senior DevOps Engineer

September 2021 – Present

Closely working with cross-functional teams in terms of maintaining systems' stability, availability, performance levels and contribute to the design and build of the LSEG Tech's products and Technology Services which involves setting up, supporting, configuring and maintaining application systems for development, test and production servers in geographically disparate, multi-tiered environments and cloud environments by applying cloud and middleware expertise.

Areas of experience and responsibilities:

- Rapidly learning new concepts, designing and Implementing CI/CD pipelines to streamline development and deployment process using tools such as JFrog, Jenkins, Ansible, GitHub, Terraform and Packer in Linux based environments.
- Make use of AWS Services to host and facilitate production applications and implement on demand (Infrastructure as Code) environments for the critical applications using tools such as terraform and document the process which involves complex problem solving.
- Provide Technical expertise for the platform migrations, software configuration, build management functions and standardize the processes.
- Communicating with different stakeholders in terms of presentations, reports, justifications.
- Attention to details, prioritizing tasks effectively, handling multiple objectives under tight deadlines, identify/flag/resolve potentials early on.
- Getting Involved in R&D activities that the team undertakes to innovate and introduce new features, products and services.

London Stock Exchange Group – Business Services Limited
Senior Engineer – Middleware

November 2019 – September 2021

This role forms part of a global team providing application and infrastructure support for the Middleware services, which underpin a range of LCH.Clearnet systems.

The 3rd party applications supported by the middleware function include the SWIFT Alliance product range, CREST, IBM MQ Series, Oracle WebLogic, Oracle Service Bus, EPAM FIX Engine, Axway CFT, BMC Middleware Monitoring (BMM), Ansible and Jenkins.

Areas of experience and responsibilities:

- Assist in the incident management process and resolution of such incidents raised within the production environments as part of a 24 -7 support rota.
- Provide 1st to 3rd level support and consultancy to test and development teams in relation to Middleware supported applications. As such ensuring test environments are fit for purpose and regularly synchronized, maintained to production standards.
- Implementation of production changes across all Middleware supported applications as part of the LCH.Clearnet change management process.
- Planning, Organizing, Leading and Controlling the Ansible Automations, writing Ansible playbooks to simplify the software upgrades, audits and health checks.
- Taking part in the availability and capacity management of the Middleware services.
- Engagement in the design, configuration and delivery of all Middleware systems required to run the business.
- Liaise with development leads and product managers to ensure that new releases/platforms are delivered smoothly to the production environment.
- Ensure that all processes and documentation are adequate and effective to meet support and audit requirements.
- Ensure all software end of life dates are appropriately reported and upgraded where funding is obtained from the business.
- Handle support queries from internal and external customers through to resolution.
- Adherence to all the IT Production procedures, in particular the IT Production Incident Management Procedure and Change Management procedure.
- To ensure effective, pro-active monitoring and management is in place for systems.
- Define/Implement sufficient monitoring, and automated where possible.

London Stock Exchange Group – Business Services Limited
System Analyst (Infrastructure Engineer)

November 2016 – November 2019

Products and Technologies: RHEL 5, 6 and 7, Unix Solaris, IBM WebSphere MQ, Oracle Service Bus, Oracle WebLogic, FIX (Financial Information eXchange), SWIFT, TrueSight Middleware Monitoring Systems, Shell Scripting, WLST, Veritas Cluster Service.

Areas of experience and responsibilities:

- Analyze/Resolve incidents and escalate to the different levels.
- Dealing with Changes (Emergency and Normal).
- Improving the current level of service by implementing/introducing/inventing various kinds of automations.
- Maintaining the WebLogic Server Installations on UNIX/Linux environment.
- Regular Build and Release deployments on the lower environments as well as coordinating and instructing same on the Production environment.
- Making Go-live plans and making sure about the changes that will be deployed to each environment.
- Maintaining, Designing and Implementing TrueSight Dashboards for application monitoring purposes.
- Performance tuning the WebLogic Application Server.
- Applying patches as recommended by Oracle along with Java upgrades.
- Upgrading WebLogic to 10.x and 12C.
- Troubleshooting the Server related exceptions, JDBC configurations & Deployment issues.
- Generating thread dumps and heap dumps to analyze the Deadlocks & Memory leak problems.
- Communication to stakeholders for any Application downtimes during deployments.
- Configuring JDBC, JMS resources.
- Configuring Queues, Channels, Topic & Subscription (pub – sub) on MQ.
- Integrating WebLogic with MQ - Generating bindings file to integrate WebLogic JMS queues with MQ's.
- Troubleshooting MQ connectivity issues with JMS.
- Troubleshooting MQ connectivity issues with external members.
- Configuring WebLogic resources end to end as per business requirements.
- 24x7 application support and maintenance for various enterprise applications.
- Performing day to day service operations, monitoring, administration and support.
- Upgrade of MQ Server and Client.
- Configuring and Troubleshooting FIX Integrated Control Center and FIX Edge Server
- Assisting users with SWIFT messaging platform.

hSenid Mobile Solutions (Pvt) Ltd.
Associate System Engineer

November 2015 – April 2016 (Trainee)
May 2016 – October 2016

Products and Technologies: RHEL 6 and 7, Mongo, MySQL, Oracle, Shell Scripting, Python.

Areas of experience and responsibilities:

- Administering and supporting the Live Production Servers.
- Production monitoring, Performance Analysis and troubleshooting.
- 24x7 on-call support and incident response.
- Design and Implementation of Scripts depending on the customer's requirement.
- System Maintenance and Troubleshooting.
- Providing end-to-end customer support (Overseas and Local customers).
- Conducting university career day/role awareness programs.

Univell Microsystems (Pvt) Ltd
Intern

February 2015 – October 2015

Products and Technologies: VMware vSphere, VMware Workstation, HP ProLiant Servers, HP Switches, Juniper firewalls.

Areas of experience and responsibilities:

- Installing, Configuring and Optimizing Servers (Hardware, Software) & Storage Systems
- Research and Development
- Pre-Sales
- Virtualization

Achievers Lanka Business School
Pearson VUE Certified CBA Administrator

November 2013 – July 2014

Areas of experience and responsibilities:

- Administration of Computer Based Assessments in Colombo Branch.
- Provide individual IT training and support to staff on request.
- Troubleshoot all technology issues.
- Provide network access to all staff.
- Install workstations and load all required software.

PROFESSIONAL QUALIFICATIONS

- **RedHat Certified System Engineer** License 170-116-438
- **RedHat Certified System Administrator**
- **CCNA (Security, Academic)**
- **ITIL® Foundation Examination** License 9980039666757742
- **IBM MQ V8.0, System Administration** License 323453183
- **Linux System Engineer: iSCSI Storage Area Networks**
License 897A1F35818B4A619F5925E1C3984BB2 (Lynda)

PROJECTS

Native Cloud Support for Running WSO2 Middleware on Microsoft Azure

Jan 2016 – Nov 2016

Decommissioning of DR Data Center

Aug 2019 – Nov 2021

Functional Testing Suite Running on Cloud, Daily Lifecycle Automation

Dec 2021 – Mar 2022

Millennium Central Counter Party (Equity Clear – London | Equity Clear – France | Repo Clear)

Jan 2018 – Present

HONORS & AWARDS

Three Times VIP Award Winner issued by London Stock Exchange Group

- **Jun 2020**
In recognition of the great commitment shown in gaining SWIFT knowledge in a short period of time, in order to fill the void of the offshore team's technology stack and within a short duration, start gaining the trust of the Engineering Team and getting lots of appreciation for the contribution made to SWIFT.
- **Jun 2020**
The effort I have put to ramp up the team with the knowledge I had gained and proactively thinking ahead to provide a better service on the SWIFT and other Middleware related services.
- **Sep 2019**
In recognition of the work undertaken by me on the MQ - Middleware Transaction Monitoring dashboard for the Millennium Central Counter Party go live project. The Dashboard supports the team in monitoring their performance and retrieving the statistics. This is specifically awarded for displaying LSEG values of Excellence and Partnership and BSL Way values of Ownership and Urgency.

EDUCATION

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|---|----------------------|
| Postgraduate Institute of Management Master of Business Administration (Reading) | 2021-2023 (Expected) |
| Sri Lanka Institute of Information Technology BSc (Hons) in IT Specialized in Computer Systems and Networking (SLIIT) | 2013-2017 |
| Ananda College Primary and Secondary Education | 1999-2012 |

VOLUNTEER EXPERIENCE

- **Charter Member** - Leo –District 306 C2 Sri Lanka
- Lecturing at SLIIT – Enterprise Standards and Best Practices in IT Infrastructure (Final year)

NON-RELATED REFEREES

Richard Hutchings

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