Chameera Rajapaksha

Manager -Cloud & IT Infrastructure | System Administration | Automation

Personal details

Chameera Rajapaksha

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February 26, 1988

Sri Lankan

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Skills

Skill	Level
AWS	●●●●○
Azure	●●●○○
DNS Management	●●●●○
Firewalls	●●○○○
M365 Administration	●●●○○
Moodle	●●●●○
Linux	●●●●○
Scripting(Bash/PHP)	●●●○○
Cloud Security	●●●○○

Education

BEng (Hons) Computer Networking -1st Class   2021 - 2022
London Metropolitan University, United Kingdom

BCS, The Chartered Institute for IT   2017 - 2019
The Chartered Institute,, United Kingdom

Experience & Employment

Manager - System Administration   2025 - Present
The Chartered Institute of Accountant of Sri Lanka, Colombo
- Lead the System Administration, overseeing Linux server management, cloud platforms (AWS/Azure), databases, and IT security operations.
- Perform database administration (MySQL/MariaDB) including optimization, backup/restore automation, and high-availability clustering.
- Manage Moodle LMS infrastructure and administration, ensuring stable performance, plugin integration, and exam-time scalability.
- Implement cloud security best practices (IAM roles, firewalls, VPN controls, compliance monitoring) to safeguard exam data.
- Develop automation scripts (Bash/PHP) for server monitoring, SSL expiry alerts, log analysis, and backup verification.
- Optimize infrastructure performance and costs with automated scaling, patch management, and efficient resource allocation.
- Manage cross-functional IT teams, fostering proactive system maintenance, rapid incident response, and continuous improvement.
- Drive infrastructure strategy in line with institutional goals and critical examination needs.

Deputy Manager - System Administration   2023 - 2025
The Chartered Institute of Accountant of Sri Lanka, Colombo
- Directed end-to-end management of AWS and Azure cloud infrastructure, achieving 99.9% uptime during global exams for 5,000+ users.
- Architected disaster recovery, automated scaling, and backup systems to ensure resilience.
- Established IT governance and security policies; managed vendor contracts to optimize cost and service delivery.
- Collaborated with executives to align IT strategy with institutional goals.
- Supervised a technical support team, promoting proactive maintenance and rapid issue resolution.

System Administrator   2019 - 2023
The Chartered Institute of Accountant of Sri Lanka, Colombo
- Cloud platforms (AWS & Azure) Management - Installing & configure virtual servers (Ubuntu, RedHat, Windows)
- Resources/Database management Backups, Replications & Recovery
- Performed patch/security updates
- Linux Server Administration/Bash Scripting
- Security - WAF/Security Rules/MFA/Geolocation Access/
- Load Balancing/EFS/S3 bucket /DNS/Routing
- Technical Support for online/Virtual examination - Managing & troubleshooting Moodle - Add relevant plugins - User Management - backups Management
- Office 365 Management - Access Management - User Management - Other Administrative managements

Web Development   ●●●○○

Database Management   ●●●○○

AI   ●●●○○

Languages

English   ●●●○○

- Active Directory /WSUS/SCCM Management - Oversee the administration and troubleshooting of active directory, WSUS and SCCM to ensure optimal performance and security
- Database Management - Replication - Recovery - Backups - High Availability and Scalability management
- Vulnerability Assessment and Penetration Testing (VAPT) - Handle VAPT assessment by coordinating with third party stakeholders
- Oversee the planning, executions, and remediation process to ensure the security and integrity of IT Systems
- Network Administration (LAN/Wireless) - Supervise the administration of LAN and wireless networks, ensuring reliable and secure connectivity.
- Web Design using AI Technologies - Web base system design /development using AI technology (ChatGPT/Gemini). Utilize AI tools to automate the process.

IT Assistant   **2016 - Dec 2018**

The Chartered Institute of Accountant of Sri Lanka, Colombo

- Troubleshoot and Support - Troubleshoot and resolve hardware-related issues
- Adress software-related issues
- Resolve network-related issues to ensure smooth connectivity.
- IT infrastructure management. - Ensure IT infrastructure facilities are maintained
- Upgrade IT infrastructure as necessary to meet progressing needs.
- System Administration - Carry out administrative and support functions to minimize downtime of critical system (servers, website, network) during the operational hours.
- Security Management - Maintain and monitor firewall configurations.
- Manage enterprises antivirus solutions to protect against malware and other security threats.
- Configure and maintain VPNs to ensure secure remote access.
- Network Administration - Monitor and provide administrative support for network devices to ensure smooth operations.
- User and Access Management - Provide administrative support for user management and access management across designed system.
- Inventory Management - Manage IT inventory, ensuring accurate tracking and availability of hardware & software assets.
- Storage Solution Administration. - Administrative support NAS and SAN storage solution to ensure data integrity and availability.

Certificates & Courses

**AWS cloud practitioner and solutions
architect associate**
https://www.coursera.org/account/accomplishments/certificate/M66UU9APRFTS

**Wireshark for Basic Network Security
Analysis**
https://www.coursera.org/account/accomplishments/certificate/XEKTRNY9EBKU

Diploma in Software Engineering

**Microsoft Certificate of Technology Specialist
(MCTS) course - Windows Server 2008**

Network Infrastructure configuring (70-642)

**Microsoft Certificate of Technology Specialist
(MCTS) course - Windows Server 2008
Network Active Directory (70-640)**

**Cisco Certificate of Network Associate
Course (CCNA)**

ICDL International Computer Driving License

Projects

- Configuration and Customization Of LMS

Configuration : Installed and configured Moodle on an AWS EC2 Ubuntu server.
Customization : Customized with plugins to enhance functionality and usability.
Impact: Delivered a scalable LMS for **5,000+ users**, supporting effective online
education.

- Cloud-based application load balancing

EC2: Deployed multiple Ubuntu servers to host Moodle.
RDS: Used MySQL RDS with replication for data integrity and availability.
Load Balancing: Configured Elastic Load Balancer to distribute traffic and ensure
stability.
SEB Integration: Implemented Safe Exam Browser (SEB) for secure online
exams.
Impact: Enabled 5,000+ students to sit exams simultaneously with zero downtime
and improved user satisfaction.

- Web-Based Application Design using AI Technologies

Technology: Built a scalable web application using CodeIgniter 4, JavaScript,
MySQL, and AWS.
Design: Developed responsive UI, backend controllers, and models to process
user inputs and deliver AI-driven, context-aware responses.
Implementation: testing, security, and performance optimizations for reliability
under load.
Result: Improved user engagement by 40% and reduced manual response time
through automated customer service functions.
 Spearheaded innovations :
 1. Fully automated QR-based mobile attendance system.
 2. Custom Moodle reporting with IRT analytics.
 3. Student validation system reducing identity fraud.
 4. VPN detection in Moodle to enhance exam security.
 5. Exam Conducting Platform with automatic answer marking and random
    selection questions from databases
 6. Task Management System
 7. Dashboards

References

Roshan Ruvendra -Senior Manager
The Chartered Institute of Accountant of Sri Lanka
0710235255

Nirosha Illangasinghe -Infrastructure Specialist
Edge Computing
0766250132