

Chameera Rajapaksha

System Administrator -Cloud & IT
Infrastructure | Automation



Personal details

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- February 26, 1988
- Sri Lankan
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Skills

- | | |
|---------------------|--------|
| AWS | ●●●●●● |
| Azure | ●●●●●● |
| DNS Management | ●●●●●● |
| Firewalls | ●●●●●● |
| M365 Administration | ●●●●●● |
| Moodle | ●●●●●● |
| Linux | ●●●●●● |
| Scripting(Bash/PHP) | ●●●●●● |
| Cloud Security | ●●●●●● |
| Web Development | ●●●●●● |

Education

- | | |
|---|--------------------|
| BEng (Hons) Computer Networking -1st Class
London Metropolitan University, United Kingdom | 2021 - 2022 |
| BCS, The Chartered Institute for IT
The Chartered Institute,, United Kingdom | 2017 - 2019 |

Experience & Employment

- | | |
|---|------------------------|
| System Administrator
The Chartered Institute of Accountant of Sri Lanka, Colombo | 2019 - Present |
| <ul style="list-style-type: none">Cloud platforms (AWS & Azure) Management - Installing & configure virtual servers (Ubuntu, RedHat, Windows),Load Balancing/EFS/S3 bucket/DNS/RoutingImplement cloud security best practices (IAM roles, firewalls, VPN controls, compliance monitoring) to safeguard exam data.Perform database administration (MySQL/MariaDB) including optimization, backup/restore automation, and high-availability clustering.Linux Server Administrations/patch & security updatesSecurity - WAF/Security Rules/MFA/Geolocation AccessDevelop automation scripts (Bash/PHP) for server monitoring, SSL expiry alerts, log analysis, and backup verification.Technical Support for online/Virtual examination - Managing & troubleshooting Moodle - Add relevant plugins - User Management - backups ManagementOffice 365 Management - Access Management - User Management - Other Administrative managementsActive Directory /WSUS/SCCM Management - Oversee the administration and troubleshooting of active directory, WSUS and SCCM to ensure optimal performance and securityVulnerability Assessment and Penetration Testing (VAPT) - Handle VAPT assessment by coordinating with third party stakeholdersOversee 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
The Chartered Institute of Accountant of Sri Lanka, Colombo | 2016 - Dec 2018 |
| <ul style="list-style-type: none">Troubleshoot and Support - Troubleshoot and resolve hardware-related issuesAdress software-related issuesResolve network-related issues to ensure smooth connectivity.IT infrastructure management. - Ensure IT infrastructure facilities are maintainedUpgrade 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. | |

Database Management ●●●●●

AI ●●●●●

Languages

English ●●●●●

- 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