Chameera Rajapaksha

System Administrator -Cloud & IT Infrastructure | Automation



Personal details



Chameera Rajapaksha



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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

BCS, The Chartered Institute for IT

The Chartered Institute,, United Kingdom

2021 - 2022

2017 - 2019

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Experience & Employment

System Administrator

2019 - Present

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- Cloud platforms (AWS & Azure) Management Installing & configure virtual servers (Ubuntu, RedHat, Windows),Load Balancing/EFS/S3 bucket/DNS/Routing
- Implement 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 updates
- Security WAF/Security Rules/MFA/Geolocation Access
- Develop 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 Management
- Office 365 Management Access Management User Management Other Administrative managements
- Active Directory /WSUS/SCCM Management Oversee the administration and troubleshooting of active directory, WSUS and SCCM to ensure optimal performance and security
- 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

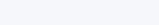
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- Troubleshoot and Support Troubleshoot and resolve hardware-related issues
- Adress software-related issues
- Resolve network-related issues to ensure smooth connectivity.
- IT infrastructure management. Ensure IT infrastructure facilities are maintained
- 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.

Database Management

ΑI





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 Al-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

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