

Geenodh Randeera

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ABOUT ME

Cloud and SRE-focused Engineer with hands-on experience in server management, troubleshooting, telecommunication, and automation-related R&D tasks. Skilled in Linux as the daily driver, Bash scripting, Virtual Machines, Containerization, Queue Management, and Cloud Storage services. Actively building expertise in Oracle, AWS, Azure, Terraform, Ansible, and Kubernetes through continuous learning and ongoing projects. Seeking an opportunity to contribute my skills as a Cloud Engineer, DevOps Engineer, Site Reliability Engineer, or System Engineer for an environment willing to grow day by day.

EDUCATION AND TRAINING

Bachelor of Science (BSc) Honours in Computer Science

University of Westminster [25/09/2023 – 06/08/2026]

Level in EQF: EQF level 6

Relevant modules: Computer Systems Fundamentals, Object Oriented Programming, Database Systems, Software Development Group Project, Client-Server Architectures, Server-Side Web Development, Cyber Security, Applied AI, Internet of Things, Computer Science Final Project

GCE O/L and GCE A/L

Rahula College [28/01/2013 – 22/02/2022]

City: Matara | **Country:** Sri Lanka

WORK EXPERIENCE

Duo Software (Pvt) Ltd – Colombo, Sri Lanka

Application Support Engineer - Intern

[15/06/2026 – Current]

- Delivered day-to-day application support for production issues in call-centre systems, maintaining service reliability across multiple client environments.
- Resolved recurring system issues through hands-on troubleshooting, escalation management, and structured root-cause diagnosis in a live production environment.
- Supported high-availability infrastructure by configuring HAProxy for load balancing and Patroni for automated PostgreSQL failover, using etcd for cluster state management.
- Deployed and managed web applications using Nginx as a reverse proxy and Docker across VMs, contributing to the microservices-based architecture.
- Developed IVR modules in PHP and implemented call/task queue management using RabbitMQ.
- Proactively developed Bash automation scripts for operational and R&D tasks beyond assigned responsibilities, improving efficiency and consistency of recurring processes.

Self-employed – Sri Lanka

Freelance Web Developer

[01/05/2023 – 01/06/2025]

• Acquired and managed local and international clients independently, gathering requirements and delivering Full-Stack web applications using the MERN stack.
• Owned the complete UI/UX design and development process, building responsive layouts and RESTful back-ends.
• Deployed and configured client applications on shared hosting environments, managing server setup and domain configuration.
• Maintained and updated shipped products post-launch, handling bug fixes, feature updates, and ongoing server-side
operations.

ThePromax.com (Tech Blog) – Sri Lanka

Co-Founder & Technical Operator

[08/01/2021 – 01/08/2023]

• Deployed and managed a self-hosted WordPress site on a shared Linux hosting environment, handling DNS, domain
management, and server configuration.
• Administered the full site lifecycle, including CMS setup, plugin management, and content publishing.
• Monetised the platform via Google AdSense, managing ad integration and tracking performance metrics.

SKILLS

Oracle Cloud / AWS / Azure / WordPress / Google Cloud Platform / Linux / Ubuntu / Windows / Grafana / Prometheus / CloudWatch / ServiceNow / Docker / Kubernetes / Terraform / Ansible / Jenkins / Nginx / Apache / VMware / SQL / REST / PostgreSQL / MySQL / MongoDB / Redis / RabbitMQ / Bash / Python / Java / Microservices / Postman / Git / Jira / solve ICT system problems / troubleshoot / respond to incidents in cloud

LANGUAGE SKILLS

Other language(s):

English

LISTENING B2 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

Music Playing Drums and Percussions

Reading Reading articles and documentations which are written under topics such as System Designs, DevSecOps, Cloud Technologies, Linux and AI Trends.

PROJECTS

[20/07/2025 – 27/04/2026]

EpheSafe – Final Year Research Project

- Designed and developed a privacy-enhanced ephemeral messaging Android application using Flutter and Firebase, implementing real-time chat, authentication, and one-time-view media sharing.
- Built and deployed an on-device AI privacy detection pipeline using a quantised YOLOv8n model exported to TFLite, capable of detecting threat scenarios (nearby cameras or multiple viewers) in real-time without cloud dependency.

- Optimised the deep learning model through quantization and architectural tuning, achieving ~6.61ms inference time at 60.5% mAP on a 12.1MB TFLite model deployable on mid-range Android devices.
- Integrated a content protection mechanism that dynamically blurs ephemeral media and triggers a privacy overlay upon threat detection, eliminating the need for cloud-side processing.
- Conducted structured benchmarking, functional, and non-functional testing, validating system performance against existing mobile object detection models and real-world usage conditions.

Stack & Tools used: *Flutter, Dart, Python, TensorFlow Lite, YOLOv8n (Ultralytics), PyTorch, Google Firebase, NumPy, Pandas, Matplotlib, Android Studio, VS Code, Google Colab, Git*

[12/07/2026 – Current]

Entertainment-Buddy A responsive web application to track movies, TV shows, and anime with friends and family. Features Netflix-style multi-profile switching, advanced OMDB API search & filtering, custom categories, and real-time cloud sync with Firebase Firestore.

Stack & Tools used: *JavaScript, Firebase, Firestore, OMDB API, Netlify, HTML, CSS*

Link: https://entertainment-buddy.netlify.app/

[30/09/2024 – 11/04/2025]

LinkaPal – Group Project

- Contributed to the development and deployment of a mobile application using Firebase as a managed backend service.
- Leveraged Firebase for real-time data handling, authentication, and cloud storage, reducing infrastructure management overhead.

Stack & Tools used: *Python, Flutter, Dart, Google Firebase, Git, CI/CD, Figma*

Link: https://www.sdgp.lk/project/c478ff2d-8c81-42f8-b663-32c7e7bd4b52

[04/11/2024 – 14/12/2024]

Company Portfolio Website for Mint Maintains, Australia

- Deployed a React.js web application to a production environment, managing the full deployment pipeline.
- Optimised build performance, achieving a ~20% reduction in loading time and improving overall system reliability and user experience.

Stack & Tools used: *React.js, MySQL, HTML5, Tailwind CSS, Adobe XD, Git*

[27/05/2024 – 03/07/2024]

Company Portfolio Website for COCO Group, Sri Lanka

- Delivered and deployed a responsive React.js web application with a focus on performance optimisation and codebase maintainability.
- Achieved a ~50% boost in search engine visibility through structured development practices and performance tuning.

Stack & Tools used: *React.js, MySQL, HTML5, Tailwind CSS, Adobe XD, Git*

Link: https://coco-web.netlify.app/

HONOURS AND AWARDS

[06/08/2026] University of Westminster

First Class Honours