

YUGAN KAVINDA

DevOps Engineer Intern

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🌐 Theekshana Yugan Kavinda

📍 Embilipitiya, Rathnapura District, Sri Lanka

🔄 BlockAce01

💬 MyBlog

🌐 Portfolio

ABOUT ME

Results-driven IT undergraduate, specially interesting in DevOps practices with hands-on experience in CI/CD pipelines, cloud infrastructure, and automation. Proficient in containerization with Docker, infrastructure as code using Terraform, and cloud platforms including AWS. Experienced in building and deploying automated workflows, implementing version control with Git and GitHub Actions, and managing Linux-based systems. Passionate about bridging development and operations to deliver scalable, reliable solutions. Eager to apply technical knowledge and collaborative mindset to contribute to DevOps excellence in a dynamic engineering team.

EDUCATION

Sabaragamuwa University of Sri Lanka | 2023-2027

Bsc Honors in Computing and Information Systems

Current GPA : 3.34

President College Embilipitiya | 2019-2021

G.C.E. Advanced Level

Physical Science Stream : Physics, Combined Mathematics, ICT

WORK EXPERIENCE

Ceylon Effects

2025/08 - Present

Web Developer

Contract, Remote

Regional Development Bank

2022/12 - 2023/05

Banking Internship

Full time, On-site

PROJECTS

MyBlog - Full Stack Deployment (Personal) 📄 🔄

08/2025 - 09/2025

- Built and deployed a MERN-based blog application on AWS Cloud.
- Containerized the app with Docker and configured Nginx as a reverse proxy.
- Created CI/CD pipeline using GitHub Actions for automated build, test, and deployment.
- Configured AWS CloudFront CDN and integrated SSL certificates for secure global access.
- Managed AWS resources using Terraform following Infrastructure as Code principles.
- Implemented IAM Role-Based Access Control (RBAC) for secure team-based resource access.
- Set up monitoring and logging using AWS CloudWatch for performance tracking.

Tech Stack: MongoDB, Express.js, React, Node.js, Docker, Terraform, AWS, Nginx.

E2E E-commerce Test Automation (Personal) 📄 🔄

10/2025

- Built an automated end-to-end testing framework using Python, Selenium WebDriver, and Pytest.
- Designed Page Object Model (POM) structure for scalable and maintainable test cases.
- Integrated data-driven testing via CSV and Pytest parameterization.
- Enabled cross-browser support with WebDriver Manager for Chrome & Firefox.
- Configured HTML test reports for CI/CD pipeline integration with GitHub Actions.
- Added custom test hooks to capture screenshots and logs for failed test cases.
- Improved testing speed by implementing parallel test execution using Pytest-xdist.

Tech Stack: Python, Selenium, Pytest, WebDriver Manager, GitHub Actions.

Daily Lecture scheduler for Google-calendar (Personal)

08/2025

- Parsed PDF timetables and synced them with Google Calendar API.
- Deployed workflow using n8n on AWS EC2 with ngrok-secured webhook.
- Configured budget monitoring tools to uptime monitoring with alerts.

Tech Stack: n8n, AWS EC2, Google Calendar API, ngrok, Gmail API, Telegram API

Examind for Sri Lankan A/L Students (Group)

01/2025 – 07/2025

- Collaborated to develop an interactive learning and discussion platform.
- Implemented quiz engine, gamification, and JWT-secured authentication.
- Integrated n8n RAG AI assistant for personalized student support.
- Performed E2E API validation and testing using Postman.

Tech Stack: Next.js, Express.js, PostgreSQL, JWT, n8n, Postman.

ReportEase – Reporting & Tracking Issues (Group)

03/2025 – 09/2025

- Developed a university maintenance reporting system with Laravel, MySQL, and HTML/CSS.
- Built role-based access control for students, faculty, and staff.
- Created database structure and designed a practical solution for overlapping in issue reporting

Tech Stack: Laravel, MySQL, PHP, Blade

TECHNICAL SKILLS

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|------------------|-------------------------|-------------------|
| • GitHub Actions | • Git Bash | • Web Development |
| • Docker | • Python | • HTML/CSS |
| • Linux | • Automation Testing | • Next.js |
| • Terraform | • Slack | • Express.js |
| • AWS | • API Testing (Postman) | • MongoDB |
| • CI/CD Concepts | • Selenium | • PostgreSQL |
| • Ansible | • Playwright | • n8n Workflow |
| • Kubernetes | • Pytest | Automation |

SOFT SKILLS

- | | | | |
|---|-------------------|-----------------------|----------------|
| • Communication | • Problem-Solving | • Attention to Detail | • Teamwork |
| • Professional Working Proficiency in English | | • Analytical Thinking | • Adaptability |

VOLUNTEERING EXPERIENCE

- Volunteered as an organizing committee member at IEEE Day 2024 SUSL
- Volunteered in the ITECH 2.0 Innovation Exhibition organized by Karagasthalawa M.V.

CERTIFICATES

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|--|---|
| • 100 Days of DevOps (KodeKloud)
– Practicing | • Introduction to Linux – LFS101 (The Linux Foundation) |
| • Front-End Web Development (University of Moratuwa) | • KodeKloud Engineer – Docker |
| • Python for Beginners (University of Moratuwa) | • KodeKloud Engineer – Git |
| • Finetuning Large Language Models (DeepLearning.AI) | • Official ISC2 Certified in Cybersecurity Online Self-Paced Training (ISC2) |
| | • Crash Course: Linux For Absolute Beginners (KodeKloud) |

REFERENCES

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