GEHAN FONSEKA

Software & DevOps Enthusiast

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SUMMARY

Passionate Software Engineer and DevOps Enthusiast with hands-on experience developing full-stack web and mobile applications. Skilled in JavaScript, React.js, Node.js, Python, and SQL, with a strong foundation in algorithms, APIs, and database management. Experienced in debugging, performance optimization, and building scalable, user-focused solutions through internships and academic projects. Knowledge of DevOps practices such as CI/CD pipelines, Docker, and cloud deployments, contributing to modern software development workflows. A collaborative team player with strong problem-solving skills, eager to contribute as a Software Engineering or DevOps Intern to drive innovation and efficiency in engineering teams.

WORK EXPERIENCE

DevOps Internship   **August 2025 – Present**

Behaviol Pty Ltd, NSW, Australia

- Contributed to backend services and API integration, ensuring reliable communication between applications.
- Automated CI/CD pipelines using Jenkins and GitHub Actions, enabling faster and more consistent software releases.
- Collaborated in an Agile team to debug, optimize, and deploy applications on GCP with Kubernetes, enhancing scalability and performance.

EDUCATION

BSc (Hons) in Information Technology   **2022 - 2026**
Specializing in Information Technology

Sri Lankan Institute of Information Technology – SLIIT

GCE Advanced Level   **2019 - 2021**

Gamini National College

PROJECTS

Voice-Enabled Personal Finance Management System| Link
- Developed an AI-driven finance tracker enabling users to manage income, expenses, budgets, and savings goals using voice commands.
- Integrated OpenAI's GPT API for real-time personalized financial recommendations.
- Built the system using the MERN stack with Web Speech API for seamless voice interaction.
- Implemented testing and quality assurance with Postman, Selenium, and SonarQube.
- Deployed the application with Docker and AWS, ensuring scalability and reliability.

Skill-Sharing & Learning Management Platform | Link
- Designed and implemented a full-stack platform for managing posts, learning plans, and progress tracking.
- Integrated real-time notifications and achievement tracking to enhance user engagement.
- Built with React.js and Spring Boot to deliver personalized learning experiences.
- Conducted API testing and validation with Postman to ensure system reliability.

Fashion E-Commerce Platform | <u>Link</u>
- Engineered a comprehensive fashion e-commerce platform with real-time inventory updates using the MERN Stack.
- Integrated salon service booking, financial management tools, review moderation, and automated customer support.
- Deployed the platform using Docker and implemented CI/CD pipelines with Jenkins to ensure smooth and reliable releases.
- Leveraged AWS for scalable cloud deployment and Tailwind CSS for modern, responsive UI design.

Car Buying and Selling Platform | <u>Link</u>
- Developed a user-friendly car marketplace using Python and Django, simplifying vehicle listing and improving buyer-seller interactions.
- Incorporated advanced filtering features and structured seller profiles for better transparency and usability.
- Designed responsive layouts with Bootstrap to enhance the browsing experience across devices.
- Utilized SQLite for efficient and lightweight database management.

Tours and Travel Management System | <u>Link</u>
- Developed a travel booking system using PHP and MySQL to streamline tour management and reservations.
- Implemented tour package management and secure PayPal payment integration for seamless transactions.
- Built a user-friendly admin panel and robust user authentication for improved security and control.
- Designed responsive layouts using HTML, CSS, and Bootstrap for an optimal user experience.

CERTIFICATIONS

Front-End Developer Capstone - Meta

Diploma in Software Testing & QA – MTF Institute

IT Essentials - Cisco

Version Control – Meta

Python & Django Web Development – Udemy

Postman API Fundamentals Student Expert – Postman

Cloud Computing Essentials – Udemy

Mastering AWS – Udemy

SKILLS

- **Programming Languages:** Java, Python, PHP, Node.js, JavaScript
- **Databases:** MongoDB, Firebase, MySQL
- **Frameworks & Tools:** REST APIs, Express.js, Docker, Git, Postman, Jenkins, React.js, Spring Boot
- **Cloud & DevOps:** AWS, GCP, Linux, Prometheus, CI/CD
- **Soft Skills:** Leadership, Teamwork, Time Management, Self-Motivation & Initiative

REFERENCE

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