

NISAL SANDEEP

Software Engineer | Kelaniya, Sri Lanaka | [GitHub](#)

ABOUT ME

Undergraduate pursuing degrees in Information Technology and Accounting Information Systems. Skilled in full-stack web development, React.JS, Node.JS, and modern JavaScript (ES6+). Proficient in building responsive, component-based UIs with Tailwind CSS. Proficient in data management with databases including MySQL, PostgreSQL and MongoDB. Experienced with Git for version control and collaborative development workflows. experience using cloud deployment (AWS, Azure), Linux environments, and DevOps tooling including Docker, Terraform, and Kubernetes. Actively building expertise in continuously learning full-stack development.

TECHNICAL SKILLS

Web Development: HTML5, CSS3, Tailwind CSS, Node.JS, Express, React.JS, .NET, RESET APIs

Databases: MySQL, MongoDB, PostgreSQL

DevOps & Cloud: Git, GitHub, CI/CD Pipelines, Docker, AWS, Microsoft Azure DevOps, Terraform

Operating Systems: Linux Servers (Ubuntu, Fedora), Windows Servers

Programming Languages & Scripting: Java, Python, JavaScript (ES6+), PHP, C#

Tools & Technologies: Jira, Postman

Security: API Security, OWASP Fundamentals

Methodologies & Architecture: Agile, Scrum, MVC Architecture, Microservices

PROJECTS

ChatNow — Real-Time Full-Stack Chat Application | [GitHub](#)

2025 - 2026

Technologies: React, Node.js, Express, Socket.io, MongoDB, JWT, Cloudinary, Zustand, Tailwind CSS

Built a production-ready real-time chat application from scratch featuring custom JWT auth, live messaging, and image uploads

- Use JWT authentication to generate access tokens, protected routes, and secure cookie handling without third-party auth services.
- Implemented real-time bidirectional messaging with Socket.io, including online/offline presence tracking and notification sounds.
- Integrated Cloudinary for image uploads, Resend for welcome emails, and Arcjet for API rate limiting to secure the application from threats.

Full-Stack Product Store Application | [GitHub](#)

2026

Technologies: TypeScript, React, Node.js, Express, PostgreSQL, Drizzle ORM, TanStack Query, Tailwind CSS, DaisyUI

Developed a full-stack product store application with a type-safe REST API, PostgreSQL database, and a React frontend deployed to production.

- Developed a RESTful API using Node.js, Express, and TypeScript, integrating PostgreSQL with Drizzle ORM for type-safe, schema-driven database queries.
- Built a React frontend with TanStack Query for efficient data fetching and handling, use Tailwind CSS and DaisyUI for a UI enhancement, responsive UI.
- Deployed the full-stack application to production following clean project structure and best practices for end-to-end API and frontend integration.

Cloud Infrastructure & Automated Deployment Pipeline (Azure DevOps) | [LinkedIn](#)

2025 - 2026

Technologies: CI/CD pipeline, Terraform (IaC), Linux, Docker, Kubernetes, Git, GitHub, PostgreSQL

Developed a fully automated CI/CD pipeline using Azure DevOps to deploy a containerized Product Store Application

- Configured cloud infrastructure on Azure using Terraform (IaC), ensuring consistent Linux-based environments and eliminating configuration drift.
- Orchestrated multi-container deployment using Docker Compose, integrating a Node.js backend with a PostgreSQL database for seamless data persistence.
- Automated build and release pipelines in Azure DevOps, implementing automated health checks and logging to ensure 99.9% deployment success rates.
- Administered Linux system configurations, managing security groups, environment variables, and Docker network troubleshooting.

EDUCATION

Bachelor of Information Technology

2024 – 2027

University of Colombo, Sri Lanka (GPA: 3.5/4.0)

BBM (Hons) – Accounting Information Systems

2024 – 2028

University of Kelaniya, Sri Lanka (GPA: 3.256/4.0)

PROFESSIONAL QUALIFICATIONS & CERTIFICATIONS

- Institute of Analytics – Student Member
- Mastering Azure DevOps: From Beginner to Advanced 2026 – Udemy
- Diploma in Cybersecurity & Ethical Hacking – NextGen Campus (A Grade)

EXTRACURRICULAR ACTIVITIES

- FOSS Community, University of Kelaniya – Organizing Committee member (Open-Source Development)
- AISSA, University of Kelaniya – Information Technology team member
- Boxing, University of Kelaniya – 2025 Novices Tournament 60-65 kg 2nd runner

ADDITIONAL INFORMATION

Languages: English (Professional), Sinhala (Native)

Notice Period: Immediate

SOFT SKILLS

- Strong problem-solving abilities
- Clear Communication
- Time Management
- Attention to detail
- Team Working
- Technical Documentation
- Leadership