

KAVINDU BIMSARA

DevOps Engineer

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https://new-portfolio-one-psi.vercel.app

ABOUT ME

I am a Software Engineer with a DevOps-first mindset, passionate about building intelligent, scalable, and production-ready applications. My experience spans full-stack development, cloud infrastructure, AI-powered solutions, and infrastructure automation, enabling me to deliver complete systems from architecture and development to deployment and monitoring. I enjoy solving complex engineering problems, learning emerging technologies, and building software that is reliable, maintainable, and impactful.

WORK EXPERIENCE

Associate DevOps Engineer , Behaviol Pty Ltd **May 2026 - Present**

- Containerized applications using Docker and managed deployments on Kubernetes (GCP)
- Provisioned cloud infrastructure on GCP using Terraform following IaC best practices
- Built and maintained CI/CD pipelines with GitHub Actions and Jenkins
- Wrote Bash scripts to automate operational tasks and reduce manual effort
- Configured Grafana and Prometheus dashboards to monitor system health and track metrics

Intern DevOps Engineer , Behaviol Pty Ltd **Nov 2025 - May 2026**

- Containerized applications using Docker and managed deployments on Kubernetes (GCP)
- Provisioned cloud infrastructure on GCP using Terraform following IaC best practices
- Built and maintained CI/CD pipelines with GitHub Actions and Jenkins
- Wrote Bash scripts to automate operational tasks and reduce manual effort
- Configured Grafana and Prometheus dashboards to monitor system health and track metrics

Software Developer Trainee , Mahapola Ports And Maritime Academy **Jul 2022 – Jan 2023**

- Designed and managed SQL-based relational databases
- Developed responsive UI components using Bootstrap CSS and dynamic tables with Ajax
- Implemented client-side user validation using JavaScript
- Built reusable server-side components with PHP

SKILLS

- **Languages:** JavaScript, TypeScript, Python, PHP, Java, Dart, C, C#
- **Frontend:** React.js, Next.js, React Native, Flutter, Three.js, Bootstrap, Tailwind CSS
- **Backend:** Next js, Node.js, Express.js, Laravel, Django, FastAPI, Eloctron js
- **Databases:** MySQL, MongoDB, PostgreSQL, SQLite
- **DevOps Tools & Cloud:** Docker, Kubernetes, Terraform, Firebase, GCP, AWS
- **CI/CD:** GitHub Actions, Jenkins
- **Monitoring:** Grafana, Prometheus
- **Tools:** Git, Postman, VS Code, Android Studio, Xampp, NetBean, WorkBench

PROJECTS

DevOps Project

Todo Web App | 2026

Cloud / Full-Stack | github.com/kbimsara/todo_infrastructure

Full-stack Todo application with automated GCP infrastructure deployment using Terraform, Docker, and Next.js.

Tech: Next.js, TypeScript, MongoDB, Tailwind CSS, Docker, Compose, Github Action, Terraorm, GCP, CLI

AI / Machine Learning

TripGo - AI-Powered Trip Planner | 2025

AI / Full-Stack | github.com/kbimsara/tripGo

Full-stack travel planning app where AI generates day-by-day itineraries with real GPS coordinates. Features live OpenStreetMap routing, AI chat refinement, community trip sharing, and NextAuth authentication. Built a multi-layer GPS validation pipeline using bounding-box filtering and haversine distance checks.

Tech: Next.js, TypeScript, MongoDB, Tailwind CSS, OpenRouter, OpenStreetMap, NextAuth, Vercel

Web / Full-Stack

AR Vesak Project | 2026

Web | github.com/kbimsara/AR-Vesak-Project

An Augmented Reality web experience that places an animated Vesak lantern shrine into the real world. Built with Next.js, Three.js, and the WebXR Hit-Test API.

Tech: Next.js, Tailwind CSS, Three.js, WebXR Hit-Test, Vercel

OnCloudOTP - Mail Verification SaaS | 2023

SaaS / Web | github.com/kbimsara/OnCloudOTP-SaaS

API-driven system allowing developers to manage users and verify email validity using a custom cURL API integrated with Google Cloud.

Tech: PHP, MySQL, cURL, JSON, Bootstrap, Google Cloud, phpMailer

Mobile/ Full-Stack

Point Alarm | 2026

Mobile | github.com/kbimsara/pointAlarm

A location-based alarm app built with Flutter for public transport commuters. Set your drop-off location before you sleep, and the app will alert you with notifications and voice alerts as you approach your stop — even with the screen off.

Tech: Fluter, Dart, Sqlite, Material UI, OpenStreetMap, Firebase Firestore

NoteSketch React Native App | 2024

Mobile | github.com/kbimsara/NoteSketch-React-Native-App

A cross-platform note-taking and sketching application built with React Native. NoteSketch allows users to create, edit, and organize notes, as well as sketch ideas directly within the app. This project demonstrates the use of React Native for building modern, interactive mobile applications for both Android

Tech: React Native, Node.js, Express.js, MongoDB, Gluestack, expo

EDUCATION

B.Sc. Hons in Software Engineering — **2022 – 2026**

SLTC Research University, Padukka

Software Developer NVQ Level 4 — **2021 – 2022**

Vocational Training Authority, Kalutara South

Certificate in DevOps Master Program — **2025**

NetXperts (PVT) LTD

Certificate in Applied IT — **2018**

SLT Moratuwa

ADDITIONAL INFORMATION

- Developer - CodeMania Hackathon v4, SLTC Research University (2023)

REFERENCES

Miss H.W.C. Kulathunaga
Instructor of Software Developer
Vocational Training Authority
0716820091 | Chinthani.IT@vtasl.gov.lk

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Associate Devops Engineer
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