

# KAVINDU BIMSARA

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Kalutara, Sri Lanka

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Software Engineer | DevOps Engineer

## ABOUT ME

Software Engineering undergraduate with hands-on experience in full-stack development and cloud infrastructure. Skilled in building scalable web and mobile applications, provisioning cloud environments with Terraform, and automating deployments through CI/CD pipelines. Passionate about bridging software engineering and DevOps to deliver reliable, production-ready systems.

## EXPERIENCE

### Intern DevOps Engineer

Nov 2025 – Present

*Behaviol Pty Ltd*

- 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

Jul 2022 – Jan 2023

*Mahapola Ports And Maritime Academy*

- 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

**DevOps & Cloud:** Docker, Kubernetes, Terraform, GCP, AWS

**Frontend:** React.js, Next.js, React Native, Flutter, Three.js, Bootstrap, Tailwind

**CI/CD:** GitHub Actions, Jenkins

**Backend:** Node.js, Express.js, Laravel, Django

**Monitoring:** Grafana, Prometheus

**Databases:** MySQL, MongoDB, PostgreSQL, SQLite

**Tools:** Git, Postman, Firebase, Arduino

## PROJECTS

### Todo App Cloud Infrastructure

2026

*DevOps Project*

Full-stack Todo app deployed on GCP using modern DevOps practices. Infrastructure provisioned with Terraform, app containerized with Docker, and deployments fully automated via GitHub Actions CI/CD pipelines.

**Tech:** Terraform, GCP, Docker, GitHub Actions, Next.js, MongoDB

### QRReturn – Crowd-sourcing Lost & Found Web App

2025

*Research Project*

Addresses loss of items, pets, and missing persons in Sri Lanka using QR code tagging, map-based notifications, and privacy-focused crowdsourced communication.

**Tech:** React, Node.js, MongoDB, Google Maps API, QR Code

### User Mail Verification System

2023

*SaaS Web Project*

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

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

### To-Do Application (MERN Stack)

2024

*Web Project*

Full-stack task management app with REST API, containerized with Docker for local development and deployment.

**Tech:** React, Node.js, Express.js, MongoDB, Docker, REST API

## Certificate & Enrollment Management System

2022

*Web Project*

Manages student data and course certification workflows for a maritime academy.

**Tech:** PHP, JavaScript, MySQL, Ajax, Bootstrap

## Online Chat Application

2024

*Web Project*

Real-time chat application with contact management, built with PHP and MySQL.

**Tech:** PHP, JavaScript, MySQL, Ajax, XML, Bootstrap

## EDUCATION

### B.Sc. Hons in Software Engineering

2022 – Present

*SLTC Research University, Padukka*

### Certificate in DevOps Master Program

2025

*NetXperts (PVT) LTD*

### Software Developer NVQ Level 4

2021 – 2022

*Vocational Training Authority, Kalutara South*

### Certificate in Applied IT

2018

*SLT Moratuwa*

## ADDITIONAL

**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

### Mr L.D.T. Jayasankha

*Software Engineer*

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