KAVINDU NILSHAN

FULL STACK DEVELOPER

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in linkedin.com/in/kavindun

🌐 kavindunilshan.github.io/portfolio-website/

M kavindunilshanliyanage.medium.com/

stackoverflow.com/users/14016638

SKILLS

- **Programming Languages:**
  Java | JavaScript | TypeScript |
  Python | C++ | Dart
- **Databases:** MySQL |
  PostgreSQL | MongoDB |
  SQLite | Firestore
- **Tools & Services:** AWS | Git |
  JBoss EAP | Docker |
  Kubernetes | Grafana | Okta
  Auth0 | WSO2 Asgardeo |
  Firebase | Linux
- **Frameworks:** Spring Boot |
  React | Angular | J2EE |
  Nodejs | Flutter | React
  Native

PROFILE

Adaptable individual with a strong ability to quickly learn new concepts and solve complex problems. Passionate about full-stack development and, committed to continuous skill development and delivering impactful results in diverse environments.

EDUCATION

BSc. Eng(Hons), Computer Science & Engineering   2021 - Present
University of Moratuwa
CGPA: 3.77 / 4.0

Dean's List: Semester 1 (4.0 SGPA), Semester 3, Semester 4, and Semester 7

Rahula College Matara   2011 - 2019

G.C.E A/L 2019: 3 A Passes (Physical Science Stream)
G.C.E O/L 2016: 9 A Passes

EXPERIENCE

GTN Tech   Nov 2023 - May 2024
Software Engineering Intern
- Contributed to DWM Status Monitor, a full-stack application for tracking application instances, managing configurations, and triggering events using Apache ZooKeeper.
- Enhanced backend modularity by implementing Java 9 modules and integrated open-source observability tool Grafana to reduce reliance on Datadog and minimize costs.

Tech Stack: Spring Boot | Angular | J2EE | EDB | JBoss EAP | AWS EC2 | AWS S3 | Docker | Grafana | Apache Zookeeper

Open Source Contributions   May 2024 - Present
Contributed to Grafana
- Actively contributes patches for issues in the Grafana repository
Some key PRs:
- Fixed cursor flickering and resolved console errors in the Data Links section. (PR #90465)
- Enhanced log readability by making multi-line logs collapsible and expandable. (PR #87368)

Tech Stack: React | Linux | Docker | Grafana

PROJECTS

EpidemiX (**Final Year Project: Ongoing**)
July 2024 - Present
Software Engineering Intern

- Topic: A Multivariate Approach for Dengue Outbreak Prediction
- This project uses machine learning to predict dengue outbreaks by analyzing weather data such as rainfall, temperature, and humidity, along with vegetation index, geographical data, and population. The approach includes creating an ensemble model to improve prediction accuracy by combining multiple algorithms.
- Github

SpendWise 🔗
June 2024 - Dec 2024
Personal Expense Tracker

- SpendWise is a personal expense tracker that helps users manage finances, set goals, track progress, and access financial education and paid advice via Stripe. The application incorporates secure login using Okta Auth0, backend APIs, and RBAC for user management. Additionally, error boundaries were implemented to enhance the application's reliability by handling runtime errors.
- Website | Frontend | Backend

Tech Stack: Vite | React | Spring Boot | PostgreSQL | Okta Auth0 (RBAC) | Docker | Kubernetes | Stripe | WSO2 Choreo | Heroku

WatchMovie
Aug 2023 - Nov 2024
Theater Booking System

- WatchMovie is a theater booking system for browsing movies, booking tickets, receiving them via email, and secure authentication through WSO2 Asgardeo, with an admin portal for management.
- Frontend | Backend

Tech Stack: React | Spring Boot | MySQL | WSO2 Asgardeo | Docker | Strategy (design pattern) | MVC Architecture

InvexPro
July 2024 - Oct 2024
Inventory Management System

- InvexPro is an inventory management system that helps track stock and provides data visualization with charts to make better decisions.
- Frontend | Backend

Tech Stack: Angular | Nodejs | MongoDB | Chart.js | Okta Auth0

Journey Sync
Aug 2023 - Nov 2023
Tour Planner Application

- A web and mobile application designed to simplify trip planning and organization. Features include destination suggestions, hotel booking, room selection and vehicle bookings.
- Frontend | Backend

Tech Stack: React.js, Node.js, Express.js, Flutter, MongoDB, Booking.com API, Microservice Architecture

COMPETITIONS

IET Hack organized by IIT 2021: Second place

Code Squad 2022 by University of Sri Jayawardenepura: Finalist

IEEE Extreme 2021: (certificate) (global rank = 402)

IEEE Extreme 2022: (certificate)

Google Code Jam 2022: Advanced to round 2