



Kavishka Wilagedara

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Profile

Enthusiastic and motivated professional with strong expertise in **Python** and **backend development**. Experienced in building **RESTful APIs**, **authentication flows**, and **full-stack applications** using **Flask**, **React**, and **microservices**. Skilled in **database management** (**MySQL**, **MongoDB**, **PostgreSQL**) and **containerization** (**Docker**). Passionate about **problem-solving**, **cloud platforms**, and applying technical knowledge to real-world business challenges.

Skills

Programming & Scripting — Python | Java | C# | .NET Core | JavaScript | C | C++

Databases — MySQL | MongoDB | Redis | PostgreSQL


Web Development — Flask | Spring Boot | React.js | Node.js | Bootstrap | Tailwind CSS

Tools & Platforms — GitHub | Jira | Docker | Visual Studio | IntelliJ IDEA | VS Code

Professional Experience

Software Engineering Intern

03/2025 – 09/2025 | Nugegoda, Sri Lanka


jWare Automation (Pvt) Ltd 

- Developed and maintained backend services using **Python (Flask)** and **Node.js**.
- Contributed to **React.js frontend development**, implementing reusable components and integrating APIs.
- Designed and implemented **RESTful APIs** and authentication flows using **JWT** and **OAuth 2.0**.
- Optimized database queries and integrated caching mechanisms (**MySQL**, **Redis**) for performance improvements.
- Participated in Agile processes, including **sprint planning**, **code reviews**, and **feature enhancements**.

Education

Bachelor of Science Degree

2022 – Present | Dalugama, Sri Lanka

University of Kelaniya 

Department of Statistics and Computer Science - Faculty of Science

Current GPA: 3.55

Bandaranayake Central College

2012 – 2021 | Veyangoda, Sri Lanka

Advanced Level - Physical Science Stream

Projects

Patient Management System – Microservices

(Ongoing – Individual Project)

Tech Stack: Java, Spring Boot, PostgreSQL

- Designed and developed a **distributed patient management system** using **microservices architecture**.
- Secured endpoints with **JWT-based authentication** for user access control.
- Built **RESTful APIs** for managing patients, appointments, and billing data.
- Applied **unit and integration testing** to ensure reliability and accuracy.

Club Master – Backend

(Individual Project)

Tech Stack: Java, Spring Boot, MongoDB

- Developed backend system for a **Club Management platform**.
- Implemented **role-based access control (RBAC)** for Main Admins, Club Admins, and Members.
- Built **RESTful APIs** enabling seamless integration with frontend services.

Inventory Management System

(Group Project)

Tech Stack: Java, Spring Boot, MySQL

- Implemented an **expiry notification service** to alert users about upcoming and expired products.
- Built a **feedback service** to collect, store, and manage user input for continuous improvement.
- Developed a **product service** for product creation, retrieval, updates, and deletion via REST APIs.

Learn Vault - API

(Group Project)

Tech Stack: Java, Spring Boot, MongoDB

- Implemented **OAuth-based sign-in and sign-up authentication** for secure access.
- Developed **User Service** to manage user profiles, account updates, and settings.
- Built a **follow/following feature** to allow users to connect and interact within the platform.


Health Care

(Group Project)

Tech Stack: MERN Stack (MongoDB, Express.js, React.js, Node.js)

- Designed and implemented a **dynamic patient dashboard** to display personalized health data.
- Integrated **React.js frontend** with backend APIs for real-time data updates.

Certificates

- MySQL Implementation Associate – Oracle 
- Oracle Java Foundations

Leadership & Achievements

- University Colours Elle - 2023 & 2024
- Vice-Captain - University Elle Team (2024)
- Vice-Captain - 1st XI School Cricket Team
- Quarterfinalist of Singer School Cricket Tournament - 2016/2017 & 2017/2018

Languages

English

Sinhala