

# DARIAN AXEL SAWALI

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## Skills

**Languages:** Java, JavaScript, TypeScript, Python, C#, SQL, HTML, CSS, Kotlin, PHP

**Tools:** Visual Studio Code, Android Studio, Unity, Eclipse, Git, Github

**Technologies:** Node.js, Express.js, Next.js, ReactJS, Tailwind, MUI, Socket.IO, RESTful, MongoDB, SQLite, MySQL, AJAX

## Work Experience

### Web Development Intern - BukaTravel

Sep 2024 - Dec 2024

- Contributed to front-end development using **React** and **Next.js** to enhance web application performance and improve client-side rendering.
- Collaborated on the development of a **custom CMS (Content Management System)** to streamline content creation and updates for marketing and admin users.
- Integrated and tested **RESTful APIs** effectively using **fetch** and **Axios**, ensuring secure and efficient data flow between the frontend and backend.

## Projects

### Full-Stack Movie Directory Web App

Mar - Apr 2025

- Implemented user authentication, dynamic movie filtering (**AJAX**), and personalized recommendations based on preferences.
- Designed responsive UI with **Next.js** and **Tailwind CSS**, and integrated external movie data using the **TMDb API**.
- Built backend with **PHP** and **MySQL** to manage sessions, ratings, bookmarks, comments, and core functionality.
- Ensured seamless frontend-backend communication using **RESTful APIs** and deployed using Vercel and IONOS.

### Frontend YouTube Clone Web App

Aug 2024

- Designed a responsive UI with **React** and **MUI**, ensuring an optimized viewing experience across desktop and mobile devices.
- Utilized **RESTful API** to integrate video data, enabling features like search, and channel browsing.
- Integrated **Axios** for real-time video data fetching, ensuring transitions between pages and an updated video feed.
- Performed manual testing to verify UI responsiveness, error handling, and data-fetching workflows.

### Full-Stack Real-Time Chat Web App

May - Jul 2024

- Developed a full-stack real-time chat application using **Node.js**, **Express**, and **Socket.IO** for backend services, and **React** for the frontend.
- Managed data persistence and retrieval using **MongoDB**, including schema design and **CRUD** operations for user and message data.
- Created a responsive, intuitive user interface with **React** and **Tailwind**, ensuring compatibility across devices.
- Conducted end-to-end testing to ensure seamless functionality from user login to real-time messaging.

## Volunteer Experiences

### Vancouver City Blessing

Jan 2021 - Present

Improved logistical planning to ensure a consistent buffer of resources, guaranteeing uninterrupted operations

## Education

### Simon Fraser University - Bachelor of Science

Jan 2022 - Present

Interactive Arts & Technology Major

Interactive Systems Concentration