

KEEPON MIRISHOI OLE SUPUKO

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PROFESSIONAL SUMMARY

Final-year Software Engineering student at Xiamen University Malaysia with a strong interest in building technology that solves practical problems. My curiosity for software has led me to explore different areas of computing, from full-stack web and mobile development to AR/VR, artificial intelligence, cloud deployment, and big-data analytics. Through academic, team, and personal projects, I have gained hands-on experience taking ideas from initial requirements through development, testing, and deployment. I enjoy learning unfamiliar technologies, solving challenging problems, and working collaboratively, and I am looking to gain industry experience where I can contribute while continuing to grow as a software engineer.

EDUCATION

Bachelor of Engineering (Software Engineering)

Xiamen University Malaysia | 2023 – Present (Expected: 2027)

CGPA: 3.49 / 4.00

Relevant Areas: Software Engineering, Web Development, Database Systems, Mobile Application Development, Human Computer Interaction, Object-Oriented Programming, VR/AR, Big Data Analytics

Secondary Education

TECHNICAL PROJECTS

Amanah Logistics Platform

January 2025 – December 2025

Contributed to the development of a production-ready logistics platform connecting customers, businesses, administrators, and delivery riders in Kenya. The system has a web interface for businesses and admins as well as a mobile application for riders

- Designed and implemented over 20 RESTful APIs using Node.js and Express.js for authentication, order processing, delivery management, rider operations, and administrative services.
- Developed Flutter mobile application features including delivery acceptance, GPS navigation, earnings tracking, order history, and live delivery status.
- Integrated Supabase for authentication, cloud database management, and real-time synchronization.
- Configured AWS EC2, Docker, and Nginx to deploy scalable production infrastructure.
- Collaborated with stakeholders to translate business requirements into technical solutions and improve operational efficiency through workflow automation.
- Participated in UI/UX planning, software architecture, testing, debugging, and deployment.

Technologies used: React, Node.js, Express.js, Flutter, Supabase, AWS EC2, Nginx, REST APIs

Biocope: An AI-enhanced AR Anatomy Learning Application for Android

October 2025 – July 2026

An Android-based Augmented Reality educational application developed in Unity to improve anatomy learning through interactive 3D visualization and artificial intelligence.

- Developed the application using Unity and C#.
- Implemented interactive 3D anatomy visualization using AR Foundation.
- Built gaze-based object selection and interactive bone information panels.
- Integrated Google's Gemini AI API to provide intelligent anatomy explanations and personalized learning assistance.
- Developed AI-generated quizzes based on user learning progress.
- Implemented voice recognition and speech synthesis for hands-free interaction.
- Designed intuitive user interfaces focused on educational usability and accessibility.
- Optimized Android performance and AR interaction for mobile devices.
- Conducted usability evaluation and iterative improvements based on user feedback.

Technologies used: Unity, C#, AR Foundation, Android, Gemini AI API, XR Interaction, UI Design, Git

Internship Analytics & Paid-Internship Prediction | Apache Spark

(Big Data Analysis) | May 2026 – July 2026

- Built a PySpark data analytics pipeline to clean, transform, and analyze internship listings using Spark SQL, RDDs, and DataFrames.
- Performed exploratory analysis of stipends, internship categories, work modes, locations, and durations, including keyword-frequency analysis using Spark RDD transformations.
- Developed Logistic Regression and Random Forest classification models with Spark MLlib pipelines to predict whether internship opportunities were paid.
- Created visualizations to communicate internship-location, paid/unpaid, category, and duration trends

Freewill E-Commerce Store | Full-Stack Developer

Ongoing personal project | 2026

Live: <https://freewillco.xyz>

- Developing a full-stack fashion e-commerce platform using ASP.NET Core MVC, C#, Razor, Entity Framework Core and SQL Server.
- Built product catalogue, cart, checkout, inventory reservation and order-management workflows.
- Implemented ASP.NET Core Identity, role-based authorization and a protected admin dashboard for products, stock and orders.
- Designed a responsive, editorial storefront featuring campaign videos, scroll interactions, optimized WebP imagery and mobile-first layouts.

Technologies: C#, .NET 9, ASP.NET Core MVC, Razor, Entity Framework Core, SQL Server, ASP.NET Core Identity, JavaScript, HTML, CSS, Bootstrap, Git, Cloudflare Tunnel

TECHNICAL SKILLS

Programming Languages: Python, JavaScript (ES6+), C#, Kotlin, SQL, C

Web and back-end: React, Node.js, Express.js, ASP.NET Core MVC, Razor, REST APIs, HTML5, CSS3, Bootstrap, Tailwind CSS

Mobile & AR/VR: Flutter, Unity, AR Foundation, XR Interaction Toolkit, Android

Data & Machine Learning: PySpark, Apache Spark, Spark SQL, Spark MLlib, RDDs, DataFrames, GraphFrames, Hadoop, HDFS, MapReduce

Databases & Cloud: SQL Server, Entity Framework Core, Firebase, Supabase, AWS EC2

DevOps & Tools: Git, GitHub, Docker, Nginx, Postman