

Pasindu Fernando



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EDUCATION

- **Bachelor's Degree in Computer Science/Software Engineering** **2020-2023**
Sri Lanka Institute of Information Technology (SLIIT)
- **Diploma in Information Technology (International)** **2019-2020**
ESOFT Metro Campus, Sri Lanka
- **General Certificate of Education – Advanced Level (A/L)** **2019 Aug**
High School Diploma (College Preparatory), Sri Lanka
- **General Certificate of Education – Ordinary Level (O/L)** **2016 Dec**
High School Diploma (General Secondary Education), Sri Lanka
- **Advanced Certificate in English Language** **2016-2017**
National Institute of Business Management (NIBM)

SKILL SUMMARY

- **Languages:** Java, JavaScript (React, Node), Python, Marble, C, HTML, CSS
- **Databases:** SQL, Oracle PLSQL, MongoDB
- **Machine Learning:** Regression, Natural Language Processing (NLP)
- **Version Controls:** Bitbucket, Github, Gitlab
- **CI/CD Tools:** Bitbucket Pipelines
- **Soft Skills:** Critical Thinking, Problem Solving, Effective Communication, Team Work

WORK EXPERIENCE

Software Engineer IFS R&D International, Mar 2022 – July 2025

- Contributed to the development of the **AI-powered chatbot (IFS Aurena Bot)**, enhancing customer interactions and backend integrations by implementing authorization-related service calls.
- Designed, developed & maintained **IFS Cloud Authentication & Authorization**, including **Standard Permission Sets and Access Control Lists (ACL)**.
- Contributed to **Identity & Access Management (IAM)** initiatives using **Keycloak & Curity**.
- Built and enhanced **REST APIs** and data access controls to enhance security, filter validation and **import/export workflows**.
- Refactored backend **Java and PL/SQL** code to optimize **SCIM** provisioning between **Azure/Okta** with IFS Cloud, reducing latency and improving reliability.
- Developed and maintained **SQL queries, stored procedures** and **Oracle DB** objects.
- Collaborated with cross-functional teams to implement the **Digital Signature Service (DSS)**, ensuring signed docs saving without any issues.
- Supported **ERP upgrades**, testing activities and troubleshooting for customers.
- Maintained **documentation** for technical solutions, processes and workflows.
- Served as **Scrum Master**, facilitating **Agile ceremonies**.
- Tested IFS Cloud features, including **SQL/PLSQL unit tests and integration tests with Cucumber**.
- Supported global clients by handling initial issue resolution, **debugging** and validation.
- Conducted resilience testing using **chaos engineering** (DoS, memory, and network fault injections).
- Improved **User Group import/export** functionality for **enterprise customers**.

ENTREPRENEURIAL - DIGITAL MARKETING - AI GEN Z

- Built and managed multiple **Shopify & WordPress** eCommerce brands, driving sales through SEO optimization, Meta Ads and conversion focused **UI/UX**.
 - Designed and optimized **Google Ads & Meta Ads campaigns**, achieving measurable ROI.
 - Created and monetized Google AdSense websites using AI-assisted SEO structuring and content generation.
 - Managed **Google Analytics & Search Console** to track performance, resolve issues, and optimize conversions.
 - Leveraged **AI tools (ChatGPT, Gemini, Veo3, Flow)** to generate SEO-friendly content, videos, and ad creatives.
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RESEARCH PUBLICATIONS

Published Research Paper in **International Research Journal of Innovations in Engineering and Technology-IRJIET Journal** [View paper](#)

- Developed an ML module using Random Forest Regression to predict crop prices for a full year.
 - Collected and processed Sri Lankan agricultural datasets for model training and validation.
 - Built backend in Python (Flask) and integrated with a React Native mobile app.
 - Implemented MongoDB database for scalable data storage and retrieval.
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CERTIFICATIONS

- CLA: Programming Essentials in C - Cisco Networking Academy
 - Certified ScrumMaster (CSM)
 - Foundation of Project Management
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PROJECTS

1. **Online Movie Reservation System** (Web & Mobile) - React, Node, MongoDB, Android Studio
Developed cross-platform ticket booking with secure authentication and cloud deployment.
 2. **Online Ticket Booking Management System** - React, Node, MongoDB, JWT, Heroku
Built live reservation platform with REST APIs, JWT authentication, and scalable backend.
 3. **Inventory Control System** (CASANOVA Pvt Ltd) - React, Node, MongoDB
Automated stock management with real-time tracking and reporting dashboard.
 4. **Mobile Application for Vehicle Service Center** - Android Studio, Java, Firebase
Designed mobile app for customer service booking, integrated with Firebase for data sync.
 5. **Online Hotel Reservation System** - Java Servlet, HTML, CSS, JavaScript, MySQL
Implemented end-to-end booking system with database-driven room availability management.
 6. **Online Insurance Management System** - PHP, HTML, CSS, JavaScript, MySQL
Developed secure policy and claims management portal with MySQL backend.
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REFERENCES

Mrs. Chiranthi Mahadurage
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University of North Dakota
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Ms. Minoli Alles
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