

# Thamal Wijetunge

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## SKILLS

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**Languages** – C#, JavaScript, ES6, TypeScript, Java, Python, C, C++, HTML/CSS

**Frontend** – React, Redux, jQuery, AJAX, Next.js, Vue.js, Swing, Android

**Backend** – Node.js, Express, .NET, REST API, Spring Boot, PHP

**Databases** – SQL, Oracle, MySQL, MSSQL, SQLite, NoSQL, MongoDB

**Cloud** – Azure, AWS

**Tools/others** – Git, GitHub, Bitbucket, SVN, Jenkins, JIRA, Nginx, Machine Learning, Visual Studio, Agile, HTTP

## WORK EXPERIENCE

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### Software Engineer

September 2022 – January 2023

DP Infotech (Pvt) Ltd.

Colombo, SL

- Enhanced and completed the Pearl Bay Water Park Management System, adding a booking/payment portal, improving UI/UX, and boosting performance by 25% by refining features, using React, NodeJS, Redux, ExpressJS, and MongoDB
- Developed the Management Accounts module in the ERP, handling business requirements by designing backend & frontend using C#, .NET Core, JavaScript, jQuery & Oracle DB (PL/SQL), ensuring code aligned with business objectives
- Designed and implemented a receipts generation system for Water Park ticket purchases, ensuring error handling and scalability using NodeJS, handlebarsJS & MongoDB
- Led training sessions on coding best practices, fostering team collaboration, aligning with business processes, and enhancing code quality with a 20% reduction in error rates

### Associate Software Engineer

October 2020 – August 2022

DP Infotech (Pvt) Ltd.

Colombo, SL

- Designed and developed the core modules for the Water Park Management System (Pearl Bay), working across the software development lifecycle including frontend common core fields, helpers, auth filters, controllers and models using React, NodeJS, Redux, ExpressJS, MongoDB & Azure
- Implemented an Imports module in the ERP, addressing complex business needs and improving import process efficiency by 35% compared to the previous legacy module using C#, .NET Core, JavaScript, jQuery & Oracle DB (PL/SQL)
- Developed the Workshop module, translating business requirements into a scalable solution, reducing user processing time by 40%, using C#, .NET Core, JavaScript, jQuery & Oracle DB (PL/SQL)
- Created an advanced helper/search module for common architecture, enhancing performance and user experience by leveraging lazy loading with React, NodeJS, Redux, and MongoDB
- Built an attendance system for remote work check-ins, ensuring operational efficiency and meeting business objectives using C#, .NET Core, JavaScript, jQuery & Oracle DB (PL/SQL)
- Developed a scheduler to sync data between MongoDB and Oracle DB dynamically, improving system efficiency by 60% using NodeJS, MongoDB & Oracle DB (PL/SQL)
- Implemented a common SMS and email notification endpoint for customer transactions, improving customer engagement by 15% using NodeJS and MongoDB

### Trainee Software Engineer

November 2019 – September 2020

DP Infotech (Pvt) Ltd.

Colombo, SL

- Implemented Technical module in the ERP system, using C#, .NET Core, JavaScript, jQuery & Oracle DB(PL/SQL)
- Debugged and integrated legacy VB systems into the current ERP, ensuring alignment with business processes, addressing core business needs and operational efficiency using JavaScript, VB, C#, .NET Core, jQuery & Oracle DB (PL/SQL)

## EDUCATION

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### Loyalist College

January 2023 – August 2024

Ontario College Graduate Certificate in Computer Software & Database Development

Toronto, ON

- Dean's List Award

### Sri Lanka Institute of Information Technology

May 2017 – July 2021

B.Sc. (Hons) in Information Technology

Colombo, SL

- Specialized in Software Engineering

## ADDITIONAL PROJECTS

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### Advanced Legal Document Analysis Tool

[github.com/thamaltw97/advanced-legal-document-analysis-tool](https://github.com/thamaltw97/advanced-legal-document-analysis-tool)

Created a tool to help legal professionals to analyze, clarify points, provide summarizations from the legal documents, using NodeJS, Python (Flask), RAG, OpenAI API, MongoDB, React and Azure

### Mahaweli Agricultural App

[github.com/thamaltw97/mahaweli-agricultural-app](https://github.com/thamaltw97/mahaweli-agricultural-app)

Developed an Intelligent System for Agriculture in Sri Lanka as a research project, provided healthiness levels using image capturing to help farmers and relevant parties, using Android, Java, Python, Machine Learning, TensorFlow, Image classification, MS SQL

### Lucy Crypt

[github.com/thamaltw97/lucy-crypt-web3.0](https://github.com/thamaltw97/lucy-crypt-web3.0)

[luci-crypt.netlify.app](https://luci-crypt.netlify.app)

Developed an app that includes Blockchain connection, MetaMask pairing, Smart contract interaction to send Ethereum with solidity code

### Parcel Delivery Application

[github.com/thamaltw97/parcel-delivery-app](https://github.com/thamaltw97/parcel-delivery-app)

Implemented an Android app for a parcel delivery system that can be used by senders, drivers, and admins with specific roles, using REST services with SpringBoot

### Fire Alarm Monitoring System

[github.com/thamaltw97/fire-alarm-monitoring-system-sliit](https://github.com/thamaltw97/fire-alarm-monitoring-system-sliit)

[youtube.com/watch?v=Bx7n9zJnrBs&t=385s&ab\\_channel=ThamalWijetunge](https://youtube.com/watch?v=Bx7n9zJnrBs&t=385s&ab_channel=ThamalWijetunge)

Developed a fire alarm monitoring system prototype for an undergrad project, including the web client, desktop client for admins, RMI server, REST API, dummy sensor app and an Email service

## AWARDS

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### SLASSCOM National Ingenuity Awards

2023

Project - Pearl Bay

Colombo, SL

National Award – Runner Up

Western Province – Runner Up

### FITIS Digital Excellence Awards

2023

Project - Pearl Bay

Colombo, SL

Digitized Customer Experience - Omni Channel Experience

Corporate IT Awards - Best Consumer Digital Engagement