Senal Punsara
Associate Software Engineer

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ABOUT ME

- I am a dedicated, team player passionate about solving problems through innovative and efficient programming solutions. Eager to enhance my skills and knowledge by exploring new technologies and techniques, recognizing that the fast-paced nature of the industry demands adaptability.

EXPERIENCE

Associate Software Engineer
Jan 2025 - Present

OrangeHRM Inc.

Integration Development & Automation
- Designed and developed end-to-end integrations using Celigo for multiple third-party systems, ensuring seamless data flow and process automation.
- Implemented integration workflows connecting Workforce, Microsoft Entra ID (Azure AD), and Paylocity, improving efficiency and reducing manual intervention.
- Collaborated with cross-functional teams to analyze business requirements and translate them into scalable integration solutions.
- Developing a custom integration framework using Apche Camel and Spring Boot.

Tech Exposure : Celigo | Java Script | Apache Camel | Spring Boot | MySQL

Software Engineer - Intern
Sep 2024 - Jan 2025

Aleph Technologies (Private) Limited

HRM System
- Developed an asset management component that includes features such as asset adding and asset assigning.
- Developed the filtering mechanism and document uploading feature in the employee management component.

Lawyer Management System
- Implemented a legal case management system to manage clients, lawyers and law cases efficiently.

Tech Exposure : jQuery | Bootstrap | Laravel | PHP | MySQL

Software Engineer - Intern
Nov 2022 - May 2023

WSO2 Lanka (Private) Limited

Developed a threat intelligence notification system for the WSO2 Security Operating Center(SOC). It helps the SOC to be up to date with the potential cyber security threats that can occur in WSO2 products & solutions and take necessary actions before these potential threats occur.

Tech Exposure : Ballerina | Choreo | Azure | Apps Script

EDUCATION

University of Colombo School of Computing
Mar 2020 - June 2024

B.Sc. (Hons) in Software Engineering
First Class Honors (GPA: 3.70/4.00)

Nalanda College, Colombo 10
Jan 2005 - Aug 2018

GCE Advanced Level - Aug 2018
- **Stream** : Physical Stream
- **Results** : Combined Mathematics - **A** | Chemistry - **A** | Physics - **B**

GCE Ordinary Level - Dec 2015
- **Results** : 9 As

PROJECTS

● **LET'S HASH ONLINE** (Individual Project) [↗]   June 2024

A robust web-based solution designed to efficiently calculate hashes for large files and text, ensuring quick and easy processing for integrity verification.

Features :

- **File & Text Hashing**: Supported algorithms including MD5 and SHA for file and text hashing.
- **User-Friendly Interface**: Designed for simplicity and ease of use and provides a seamless experience for users.
- **High Privacy**: All file and text inputs are processed locally. We prioritize your privacy and ensure your data is never stored or shared.
- **Cross-Platform Compatibility**: Accessible from smart devices with an internet connection.

Tech Stack : React | Material UI | Choreo

● **EMvidence** (Final Year Project) [↗]   Jun 2023 - May 2024

EMvidence is a Forensics-as-a-Service (FaaS) Platform for Electromagnetic (EM) Side-Channel Insight Analysis of IoT Devices. This solution has multiple plugins for different kinds of IoT devices and analysis methods. It streamlines the process of data acquisition and data analysis at remote forensic laboratories using the same platform.
EMvidence has been recognized as **one of the top three projects** from the UCSC Final Year Projects of 2024.

Contribution :

- Handle large EM data files.
- Ensure the security of the EM data files.
- Design a digital forensics process model for the system.

Tech Stack : React | Material UI | Laravel | Python | MySQL

● **Entero** (Undergraduate Project) [↗]   Apr 2022 - Oct 2022

Entero is a web-based platform for event management which facilitates and satisfies the users towards various services. System Entero assists the service providers to reach and promote their business as well as customers to fulfill their needed services through this single system.

Contribution :

- Service charge, Service provider's portfolio, and System analytics modules.

Tech Stack : React | Tailwind CSS | Express.js | PostgreSQL

SKILLS

● **Programming Languages**
JavaScript | Java | PHP | C | C++ | Python

● **Web Development**
React | Tailwind CSS | Material UI | Node.js | Express.js | Laravel | Java EE

● **Databases**
MySQL | PostgreSQL

● **Other Technologies**
Git | Docker | Azure | Firebase | Flutter | Trello

CERTIFICATIONS

● Celigo Builder Core Certification [↗]   Feb 2025

HONORS AND AWARDS

● Inter Faculty Chess Championship - University of Colombo [↗]   May 2023
1st Runners Up

● Inter Faculty Chess Championship - University of Colombo [↗]   Nov 2022
2nd Runners Up

● President's Scout Award [↗]   Jan 2017

● All Island Inter School Team Chess Championship - Under 14 [↗]   Oct 2011
Champions

REFEREES

● **Dr. Asanka P. Sayakkara**
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