

# Sonal Induwara

Software Engineer



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in [linkedin.com/in/sonal-induwara/](https://www.linkedin.com/in/sonal-induwara/)    🐙 [github.com/Sonal000](https://github.com/Sonal000)

## Profile

As a highly motivated Software Engineer, I aim to apply my strong programming skills and problem-solving abilities to contribute effectively to a dynamic team. With experience in full-stack development, cloud technologies, and scalable software solutions, I am eager to build innovative applications while continuously expanding my technical expertise. Passionate about clean code, efficient architectures, and collaborative development, I thrive in fast-paced environments that foster learning and growth.

## Education

### University of Colombo School of Computing

- Bsc in Information Systems

Colombo - Sri Lanka  
May 2022 – present

### Dharmasoka College

- G.C.E Advanced Level : - Physical Science Stream
- G.C.E Ordinary Level : - 9A's

Ambalangoda - Sri Lanka  
January 2011 – October 2020

## Work Experience

### Ivedh Inc.

September 2024 - Present

Software Engineering Intern

- Developed and maintained REST applications using Golang.
- Worked with MySQL and PostgreSQL databases for backend services.
- Built and contributed to React-based frontend applications.
- Gained hands-on experience with Google Cloud Platform (GCP) services.
- Contributed to a project based on Backstage, working with React, Node.js, and various APIs.
- Managed DevOps workflows, deployed applications on Google Kubernetes Engine (GKE).
- Integrated AI solutions with APIs, working with Retrieval-Augmented Generation (RAG) AI models.
- Collaborated in an Agile development environment.

## Projects

### Thahawuru Wallet - Digital Identity Verification System

3<sup>rd</sup> Year Project

- Blockchain-based digital wallet for seamless storage of identities, licenses, and essential documents. streamlined user verification processes, licenses, and documents.
- Includes mobile apps for the public and police, and web apps for API users and police and Private Ethereum network created using go-Ethereum (Geth)
- Contribution: Requirement analysis and design, Mobile App development , Frontend development, Backend development , User Authentication , API integration
- Technologies: Spring Boot, Node.js, Solidity, PostgreSQL, Next.js, TypeScript, React Native

## Govisaviya - E-marketplatform for agriculturalproducts [🔗](#)

2<sup>nd</sup> Year Project

- Dynamic e-marketplace platform for agricultural products, enabling farmers to sell their produce directly to consumers. Real-time inventory management, and seamless integration with logistics services to ensure efficient delivery.
- Contribution: Requirments analysis and design, Implemented the MVC architecture , User authentication ,Payment gateway integration , Google maps integration ,Emails and Notiffications, Marketplace, Auction and order processing
- Technologies: HTML,CSS,Javascript,Jquery,PHP,Google maps API,Stripe API

## POS and Online Store Application ( Royal POS)

- Designed and developed a scalable POS and online store system with seamless inventory management, real-time order processing, and multi-role access control.
- Implemented a microservices architecture for modular scalability, ensuring efficient communication between services using Kafka for event-driven processing.
- Integrated role-based access control (RBAC) to manage user permissions for administrators, vendors, and customers.
- Contribution: Backend development, microservice communication, role-based authentication, and Kafka event streaming.
- Technologies: Spring Boot, Next.js, PostgreSQL, Kafka, Docker, Tailwind CSS.

## POS and Inventory Management System (Keerthi POS)

- Developed the Point of Sale and inventory management system for New Keerthi Shoe shop with invoices, GRNs, report generations, barcode-printers and readers.
- Contribution: User Authentication, Inventory Management , GRN processing
- Technologies: React.js, Express, Node, MongoDB and Tailwind

## JAK Car Rental Web Application (JAK Car Rental Solutions)) [🔗](#)

- Designed a web application to streamline the car rental process across Melbourne, Sydney, Geelong, and Central Coast. Delivered a high-quality solution that met the client's expectations and improved operational efficiency.
- Contribution: Involved in the entire project including requirement management , vehicle management
- Technologies: - Next.js, MongoDB, NextAuth, Tailwind CSS ,Daisy UI

## JAK Digital Solution Website [🔗](#)

- Developed the JAK Digital Solutions website to showcase the company's services and portfolio.
- Contribution: Involved in the complete design and implementation process
- Technologies: - Next.js, Tailwind CSS , NextUI

[See More Projects](#) [🔗](#)

## Skills

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**Languages:** Java, Golang, Javascript, Typescript, PHP, C

**Libraries and Frameworks:** React, Next ,React Native, Spring Boot, Express

**Database:** MySQL, PostgreSQL, MongoDB, Firestore

**Version Control:** Git , Github

**Other:** Docker, Kubernetes, gRPC, GCP, RAG AI, Kafka, GraphQL, PHP, HTML, CSS, jQuery GitHub, Tailwind CSS, NextUI, shadcnUI, MaterialUI, Firebase, Postman, Three.js

**Soft Skills:** Adaptability, Problem Solving, Analytical Skills, Teamwork, Effective Communication, Time management

## Honors & Awards

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NBQSA National ICT Awards ( 2024 ) - Finalist ( GOVISAVIYA )

## Certifications

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React.js Essential Trainin <a href="#">↗</a>	Linkedin (2023)
Practical Github Actions <a href="#">↗</a>	Linkedin (2023)
Node.js Essential Training <a href="#">↗</a>	Linkedin (2023)
Spring Boot 2.0 Essential Training <a href="#">↗</a>	Linkedin (2023)
Microservices Foundations <a href="#">↗</a>	Linkedin (2024)

## Volunteering

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<b>Rotaract Club of UCSC</b>	2022 - 2023
Editorial & Public Relations Avenue	

## References

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<b>Dr. Ajantha Atukorala</b>	Reid Avenue - Colombo 07
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