Ranju Gamage BSc (Eng) Hons, MSc (Reading)

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📅 27/01/1997
📍 Kandy, Sri Lanka

Software Engineer with hands-on experience in developing and optimizing software using .NET and Angular. Strong expertise in data processing, analytics, and database management. Passionate about building scalable, efficient systems and collaborating on innovative projects to drive technological advancements.

WORK EXPERIENCE

DSP Engineering Solution Pvt. Ltd.
Software Engineer
Designing and developing building automation software solutions for Singapore-based clients, using .NET and Angular.

08/2023 – Present
Kandy, Sri Lanka

- Work closely with stakeholders throughout the Software Development Life Cycle (SDLC) — from requirement gathering to software design, testing, deployment, and ongoing maintenance.
- Responsible for deploying applications to production servers, ensuring stability and smooth operation in live environments.
- Designed and implemented RESTful APIs to streamline data communication and improve system efficiency.
- Developed Windows services for real-time data processing and analytics, enhancing system performance.

Key Projects:
- Energy Management System Developments -ASP.NET Core Web API | Windows Service(.NET Framework) | Angular | Microsoft SQL Server | MongoDB
- Integration of Maintenance Management System with User Management System - ASP.NET Core Web API | Angular
- Tenant Billing System Configuration Module Design - ASP.NET Core Web API | Angular | Microsoft SQL Server
- Windows Desktop Application Design for Licence Verification - C# Windows Forms App

EDUCATION

Master of Science in Computer Science (Reading)
Postgraduate Institute of Science, University of Peradeniya

2024 – present
Peradeniya, Sri Lanka

Bachelor of the Science of Engineering Honours
Faculty of Engineering, University of Peradeniya

11/2017 – 03/2023
Peradeniya, Sri Lanka

Ranabima Royal College
GCE A/L Examination 2016 (3231143) 2A, 1B
GCE O/L Examination 2012 (23568240) 8A, 1C

2007 – 2015
Peradeniya, Sri Lanka

TECHNICAL SKILLS

Programming Languages
C# | JavaScript | Python

Backend Frameworks
ASP.NET CORE | .NET Framework

Frontend Frameworks
Angular

Database Technologies
MS SQL Server | MySQL | PostgreSQL | MongoDB

Version Control
Git

Project Management
Jira | Trello

INTERESTS

Fullstack Development

PROJECTS

Shop Management System (SMS) - Jewelry/Gold Pawn Shop Application
Tech Stack: .NET 8.0, Angular 18, SQL Server,Bootstrap 5, Tailwind CSS, Chart.js, JWT Authentication

- Developed a full-stack pawn management system with **customer onboarding**, **inventory tracking**, and **loan processing** using real-time gold valuation.
- Implemented **role-based authentication (JWT)**, **invoice generation (PDF/Excel)**, and **analytics dashboards** for business reporting.

  Frontend (Angular) ⧉ | Backend (.NET API) ⧉

SubPal - Subscription Management Web and Mobile App
Tech Stack: .NET 8.0, Angular 19, SQL Server, Capacitor, Bootstrap 5, Chart.js, JWT Authentication

- Built a **cross-platform web & mobile app** for subscription management with **JWT authentication**, **real-time analytics**, and **payment reminders**.
- Integrated **RESTful APIs**, **CRUD operations**, and **responsive dashboards** using Chart.js.

  Frontend (Angular) ⧉ | Backend (.NET API) ⧉

CERTIFICATE COURSES

Server-Side Web Programming - Centre for Open & Distance Learning (CODL) University of Moratuwa, Sri Lanka ⧉ (Credential ID: krlaSZSxKk)

Front-End Web Development – Centre for Open & Distance Learning (CODL) University of Moratuwa, Sri Lanka ⧉ (Credential ID: xW9Zlc6Lr4)

Professional Practice in Software Development - Centre for Open & Distance Learning (CODL), University of Moratuwa, Sri Lanka ⧉ (Credential ID: A3vm9AYt1C)

Introduction to DevOps - IBM ⧉ (Credential ID: 4MCFHGLT7PW9)

EXTRA-CURRICULAR ACTIVITIES

Badminton
- Runner Up (Mixed Doubles) at the 'Shuttle Champs' Badminton Championship 2023, University of Peradeniya
- Semi-Finalist (Singles & Doubles) at the 'Shuttle Champs' Badminton Championship 2023, University of Peradeniya
- Captain - Ranabima Royal College Badminton team 2011-2012
- Champion and Best Player of Under 13 & Under 15 categories (Singles, Doubles) at the Ranabima Royal College.

Rotaract Club of University of Peradeniya   2018 – 2023
Member

VOLUNTEER EXPERIENCES

Arunella Social Service Programme   2018 – 2023
Engineering Students Union - University of Peradeniya

- Spearheaded the creation of a computer lab and a Home Science unit for Balana Junior School, significantly improving educational resources for students.(2022 - 2023)
- Organized O/L Science and Maths seminar series to uplift students' educational standards nationwide. (2019)

REFERENCES

Available upon request