

# DULMINI GURUGE

## Software Engineer

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## EXPERIENCE

### Web Developer

#### Rainbow Roofing & Renovations

📅 01/2023 - 04/2023 📍 Saskatoon

- Created a new responsive website for Rainbow Roofing & Renovations using Squarespace to increase user engagement.
- Enhanced the website loading speed by optimizing the code, images and enabling caching strategies.
- Improved the website by **SEO optimization** and updating its content to increase the website traffic.

### Associate Software Engineer

#### Bellvantage (Pvt.) Ltd

📅 10/2018 - 04/2019 📍 Colombo, Sri Lanka

- Contributed to developing and maintaining SANASA Insurance web application, which has a 300,000+ client base in Sri Lanka.
- Created **SQL** stored procedures for calculations needed for life covers of the insurance company.
- Designed and developed the supplier portal, which efficiently manages the database of over 1000 suppliers on an online bidding platform using **Asp.net MVC**.
- Contributed to developing a web app for over 200 government maintenance engineers in Sri Lanka, which helps purchase construction equipment by viewing the available equipment from the registered companies.

### Software Engineering Intern

#### Lanka Solution (Pvt.) Ltd

📅 08/2016 - 08/2017 📍 Colombo, Sri Lanka

- Developed a web-based HR application using dynamically updating bio-metric readers' clock in/out data to increase the decision-making efficiency of the company management. Used **HTML, CSS, JavaScript, Azure** and **Asp.net MVC** for development.
- Worked in a team of three to develop and maintain an administrative application for a wood processing chain of companies with super admins and dashboards for up to 11 different user roles.
- Above application produces summary reports with graphs and was used by more than 200 workers, resulting in 300% time savings due to automated calculations.
- Contributed to a team of four to design and develop an Android app which uses phone sensors to create attractive features to promote textile products. Developed using Eclipse and **Android Studio**.

## RECENT PROJECTS

### My Portfolio Website

📅 11/2023 - 01/2024

🌐 dguruge.com

- Check out my portfolio website at **dguruge.com**. It includes links and details about my projects, and is fully responsive.
- Used **HTML, CSS, Bootstrap**, Open Graph protocol and **JavaScript** for development.

## EDUCATION

### Bachelor of Science Four-Year in Computer Science

#### University of Saskatchewan

📅 2020 - 2023 📍 Saskatoon, Canada

- With Distinction

### Bachelor of Engineering in Software Engineering

#### University of Westminster

📅 2014 - 2018 📍 London, UK

- with Upper Second-Class Honours

## CERTIFICATION

#### Advanced React

Offered by Meta on December 2023

#### Introduction to Back-End Development

Offered by Meta on October 2023

#### AWS Cloud Technical Essentials

Offered by Amazon Web Services - Ongoing

## SKILLS

#### Client-side

**HTML** **CSS** **Bootstrap** **React**

**Javascript** **Jest** **pyqt5** **Json**

#### Server-side

**Django** **Asp.net** **Nodejs**

**AWS** **Azure** **Python** **Java**

**SQL** **MySQL** **Nodejs**

**CouchDB**

#### Development & Operations

**Git** **Linux** **Docker** **Figma**

**Jira**

## RECENT PROJECTS

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### Little Lemon frontend

📅 11/2023 - Present

- Created a frontend for a Mediterranean restaurant using **React.js**, **HTML**, **CSS** and **JavaScript** to display menu items and to display details about the dishes.
  - Used wireframes, prototypes, journey maps and personas using **Figma** to come up with a better UI and UX design.
  - Used **Formik**, **Material UI** and **Yup** to make reservations for the restaurants using forms in the booking page.
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### Little Lemon backend

📅 12/2023 - Present

- Created an **Asp.net Web API** for the Little Lemon website to store reservations made through the reservation form and deployed it to **Azure Web Services**.
  - Created a **Django** web app with **MySQL** database, enabling restaurant owners to update menu details in real-time.
  - Currently, I'm developing another API using **serialization**, **pagination**, **caching** and **token-based authorization** to scale the API to handle large datasets.
  - I'm using **Django REST Framework** and handling the error messages with specific HTTP status codes.
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### Automate Daily Emails in Python

📅 10/2023 - 11/2023

This **PyQt5**-based desktop app automates daily emails to selected users with weather reports and Google Calendar events.

- The app uses **Python**, **Weather API**, **Google Calendar API** and is customizable with options for recipients, time, and content.
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### Restful API that interacts with Hyper-ledger Smart Contract

📅 11/2022 - 02/2023

Created to evaluate the load balancing capabilities of the open-source Hyperledger blockchain Smart Contract.

- Created a **Docker** containerized environment for Hyper-ledger Fabric network images.
  - Used **Node.js** using the **express server** to create the REST API, which connects with the up-and-running smart contract deployed to the test network.
  - Created a shell script containing all the commands needed to make the network up and running with the created REST API.
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### Game Development using Rust

📅 10/2022 - 02/2023

Developed a Robot shooting game with the use of threads and sockets for the Advanced SWE course at the U of S.

- Developed the Game Board using a 2D array as a hexagonal grid.
- Used Depth First Search to find the closest robot and used the Dijkstra algorithm to find the shortest path using RUST.
- Created unit testing for the testing of the application.