

Dasuni Wickramasinghe

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Versatile Full Stack Developer with over 5 years of experience delivering scalable **web**, **mobile**, and **AI-driven** applications. Proficient in **React**, **Next.js**, **Angular**, **Node.js**, **.NET**, **Flutter**, and **Python** (Flask), with strong knowledge of both frontend and backend development. Experienced in building and consuming **RESTful APIs**, implementing **CI/CD** pipelines using **Jenkins**, **GitHub Actions**, and **Bitbucket**, and deploying to **AWS** and **Firebase** environments. Skilled in using **Docker** for containerization, **SQL/NoSQL** databases, and tools like **GraphQL**, **ECharts**, and **Material UI** for modern interfaces. Developed **NLP-based** solutions and financial models using **Python**, and contributed to cross-platform mobile apps deployed to **iOS** and **Android**. Adept at **Agile** workflows, code reviews, and collaborating with cross-functional teams to deliver high-quality, user-focused products

TECHNICAL SKILLS

Programming & Frameworks: TypeScript, JavaScript (ES6+), React.js, Redux, Node.js, Python (Flask), C#, .NET Core, Angular, Next.js

Databases & Storage: PostgreSQL, SQL Server, MongoDB, Redis, Firebase

DevOps & Tools: AWS, Docker, Git, GitHub, Bitbucket, Jenkins, CI/CD, Jira, Confluence

Testing: Jest, React Testing Library, Cypress

Design & UI/UX: Material UI, Tailwind CSS, Figma, Zeplin, Responsive Web Design

Data & Messaging: RESTful APIs, GraphQL, JSON, AJAX

ACHIVEMENTS

2x Dean's Honor Roll Recipient

George Brown College, Oshawa, ON, CA

Secured a position on the Dean's Honor Roll throughout all the semesters (Winter 2024 - Spring 2024)

2x Dean's Honor Roll Recipient

Durham College, Oshawa, ON, CA

Secured a position on the Dean's Honor Roll throughout all the semesters (Winter 2023 - Spring 2023)

PROFESSIONAL EXPERIENCE

IO Technology Consulting, LLC

Jun 2024 – Present

Junior Full Stack Developer, USA (remote)

- Developed and maintained full-stack enterprise applications using **Angular**, **Material UI**, **C#**, and **.NET**, supporting a platform with over **100,000** users globally.
- Built reusable frontend components and modular APIs to streamline data retrieval from **MySQL** databases, improving development efficiency by 35%.
- Integrated **GraphQL** and **ECharts** to create dynamic dashboard visualizations for real-time business data insights.
- Set up and managed **CI/CD** pipelines using **Bitbucket**, **GitHub Actions**, and **AWS**, reducing deployment time by 25% and ensuring consistent delivery.
- Worked on a **React**, **Next.js**, and **Tailwind CSS** based application with a **JavaScript** backend hosted on **Google Cloud Platform (GCP)**, contributing to a scalable and responsive user experience.
- Used **Docker** consistently across projects for containerized application deployment, increasing environment consistency and reducing onboarding/setup time.
- Actively contributing to the development of a cross-platform mobile application using **Flutter**, extending web platform functionality to mobile users.
- Collaborated in an **Agile** environment across cross-functional teams, contributing to sprint planning, code reviews, and feature releases with a focus on scalability and maintainability.

Frost Experience AB

Dec 2021 – Dec 2022

Software Developer, Sweden (remote)

- Developed cross-platform mobile applications using **React Native**, deployed to both **iOS** and **Android**, with testing and debugging conducted via **Xcode** and Android Studio.
- Contributed to full-stack web application development using **React**, **Next.js**, and **SQL**, handling both frontend **UI** implementation and backend data handling.
- Worked across **mobile** and **web** platforms, ensuring feature parity and consistent user experience.
- Utilized **Node.js** and **Express** for backend **API** development, enabling reliable data access and third-party service integration.
- Collaborated using **Git** and **GitHub**, adhering to branching strategies and peer code review practices.
- Participated in **QA** processes, writing and executing unit and integration tests to ensure high code quality.
- Communicated with product stakeholders and designers to iterate on **UI/UX** and platform consistency across devices.
- Supported **agile** delivery cycles, contributing to sprint planning, testing, and releases for both mobile and web environments.

Beta Launch

Aug 2019 – Dec 2021

Junior Software Developer, Sri Lanka

- Began as an **AI** Intern, developing a proof-of-concept **NLP** model using **Python** and **Flask** to automatically categorize customer complaints received via email.
- Applied **Nelson-Siegel** and **Nelson-Svensson** methods to analyze and visualize financial **yield curve** behavior, contributing to internal financial forecasting tools.
- Containerized AI services using **Docker**, improving environment consistency and reducing setup time for new contributors.
- Later transitioned into full-stack development for a **CRM-based** payroll and banking automation system.
- Built responsive and dynamic frontend interfaces using **React**, **Bootstrap**, **Material UI**, and designs from **Figma**.
- Developed backend services with **Next.js**, integrated with **Firebase**, and configured **Jenkins** pipelines for automated deployments.
- Used **Git** and **GitHub** for version control and collaborative development, actively participating in code reviews and feature planning.
- Supported system **testing** and deployment processes, ensuring smooth functionality and accurate payroll data generation.

Mitra Innovation

Jan 2019 – Aug 2019

Software Developer Intern, Sri Lanka

- Implemented **Jest** testing for **React Native** functions, achieving 95% test coverage and reducing production bugs by 30%, ensuring high code reliability and quality.
- Developed 20+ reusable **React** components, improving development efficiency by 25% and maintaining design consistency across 5+ applications.
- Streamlined design-to-development workflows using **Zeplin**, reducing design-related revisions by 40% and accelerating project delivery timelines by 15%.

PROJECTS

- **Smart Agriculture Sensor System | IoT, Android, Flask, Heroku, CNN, Gradient Boost** - Built a mobile app connected to IoT sensors that measured soil temperature, pH, humidity, and moisture to suggest suitable plant types based on real-time conditions.

- **Mood Prediction by Text | NLP, React, Python, NLTK, Flask** - Developed a web app that analyzes user-submitted text to predict emotions and suggest matching emojis using NLP techniques.
- **Skin Disease Detection | Computer Vision, React Native, Python, TensorFlow, Keras** - Created a mobile app that classifies skin images into acne, chickenpox, or healthy using a trained deep learning model.
- **Grocery Price Comparison App | Web Scraping, Computer Vision, NoSQL, React Native, Flask** - Designed a mobile app to predict grocery prices from images or lists, leveraging location tracking to show nearby store options.

EDUCATION

George Brown College, Toronto | Jan 2024 - Dec 2024 | GPA 4.0/4.0

Postgraduate Certificate | Cloud Computing (Co-op)

- **Cloud Platforms:** Hands-on experience with **Microsoft Azure (Administrator, Architect, Security)** and **AWS (Cloud Practitioner, Solutions Architect, Security)**
- **Infrastructure & Systems:** Windows Server Infrastructure, Advanced Linux, and Desktop OS fundamentals
- **Enterprise Services:** Microsoft 365 Identity, Administration, and Enterprise Mobility & Security
- **Networking & Security:** Network Fundamentals, Cloud Security best practices across AWS and Azure
- **Professional Development:** Career planning, resume building, and portfolio development focused on cloud roles

Durham College, Oshawa | Jan 2023 - Dec 2023 | GPA 3.7/4.0

Postgraduate Certificate | Artificial Intelligence (Co-op)

- **AI Fundamentals & Development:** Introduction to AI, AI Algorithms, AI in Enterprise Systems, and Capstone Projects
- **Applied Machine Learning:** Practical implementation of supervised, unsupervised, and deep learning models
- **Data & Systems:** Visualization and Data Storytelling, Knowledge and Expert Systems, and Applied Mathematics for AI
- **Professional Skills:** Consulting, Professional Communication, Career Planning, and Digital Portfolio Building

Sri Lanka Institute of Information Technology | Jan 2018 - Feb 2021 | GPA 3.2/4.0

Bachelor of Science | Computer Science and Software Engineering

CERTIFICATION

NLP & Text Mining with Python, Udemy

Web Development - PHP/MySQL Program, SLIIT