

DASUNI WICKRAMASINGHE

Software Developer

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PROFESSIONAL SUMMARY

Software Developer with 5+ years of hands-on experience in front-end and full-stack development, combined with a strong academic background in computer science. Proficient in building responsive, high-performance web applications using modern frameworks such as **Angular**, **React**, and **Bootstrap**. Skilled in **JavaScript**, **jQuery**, **HTML5**, **CSS3**, and browser APIs with a focus on optimizing front-end performance and delivering seamless user experiences. Strong understanding of **UI/UX** best practices and client-side templating engines including Mustache and Handlebars. Experienced with **GitHub** for source control and showcasing portfolio projects. Proficient in working with **RESTful APIs**, **AJAX**, and **JSON** for data handling. Practical knowledge of **unit testing** and automated tools to ensure code quality. Background in mobile development using **React Native** and **Flutter**, and experience deploying applications to cloud infrastructure (**AWS**, **Azure**). Proven ability to thrive in **Agile** and startup environments, with a customer-centric mindset and exposure to design thinking methodologies.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript (ES6+), TypeScript, HTML5, CSS3, C#, Angular, React.js, Bootstrap, jQuery, Node.js, .NET, Redux, Mobx, Node.js;

Mobile: React Native, Flutter, Android, iOS;

Version Control & Testing: Git, GitHub, Bitbucket, Jest, Postman, React Testing Library;

APIs & Tools: RESTful APIs, GraphQL, AJAX, JSON, Flask API, OpenAI, Jenkins, Jira, Confluence, Tableau;

Cloud & Databases: AWS, Azure, Firebase, MySQL, NoSQL, Firebase, MongoDB;

Machine Learning Libraries: TensorFlow, Keras, Seaborn, PyTorch, Spacy, Pandas, NLTK, NumPy, Scikit;

Operating System: MacOS, Fedora, Ubuntu, Windows;

PROFESSIONAL EXPERIENCE

IO Technology Consulting, LLC | Canada

Jun 2024 – Present

Junior Full Stack Developer

- Built and maintained scalable full-stack applications using **.NET Framework 4.0**, **C#**, **AngularJS**, **React.js**, **Flutter**, **Next.js**, and **SQL**, resulting in a 40% improvement in UI responsiveness and performance across multiple modules.
- Designed and implemented **RESTful APIs** to enable seamless frontend-backend integration, supporting more than 100,000 daily user transactions with improved system reliability.
- Developed and optimized **SQL** queries and schema designs, improving database performance and reducing query latency by 30%.
- Leveraged AWS DevOps and Jenkins to establish **CI/CD pipelines**, improving deployment speed and reducing release errors by 25%.
- Delivered responsive mobile-first features using **Flutter**, increasing mobile user engagement by 35% and enhancing cross-platform functionality.
- Implemented **micro-frontend architecture** to modularize the frontend codebase, enabling independent team development and faster deployment cycles.
- Collaborated with **cross-functional** teams, performed **code reviews**, and implemented **scalable** solutions aligned with **agile** methodologies to ensure **on-time** delivery and continuous improvement.

Frost Experience AB | Sweden

Dec 2021 – Dec 2022

Software Developer

- Developed and maintained scalable web applications using **Next.js**, **React.js**, and **TypeScript**, increasing user satisfaction scores by 30% through consistent delivery of high-performing, user-friendly interfaces.
- Built and maintained **CI/CD pipelines** using Jenkins, reducing deployment time by 40% and ensuring consistent delivery with minimal downtime.
- Migrated legacy React applications to **Next.js**, achieving a 50% improvement in initial load times and enhancing SEO through server-side rendering (**SSR**) and static site generation (**SSG**).

- Collaborated with backend teams to define and consume **RESTful APIs**, improving data consistency and reducing integration bugs by 20%.
- Enhanced UI/UX across multiple projects based on **Zeplin** design guidelines, resulting in a 35% increase in user engagement and responsiveness across web platforms.

Beta Launch | Sri Lanka

Aug 2019 – Dec 2021

Junior Software Developer

- Developed full-stack web applications using **Next.js**, **React.js**, **TypeScript**, and **Node.js**, increasing platform performance by 35% and enhancing maintainability.
- Designed and optimized **SQL** database schemas and queries, reducing data retrieval time by 30% and improving backend efficiency.
- Integrated secure payroll management and banking APIs, enabling seamless financial operations and reducing manual processing time by 40%.
- Designed and developed web Proof of Concept (POC) for predicting property complains while Researched yield curve forecasting using Nelson Siegel and, Nelson Svensson.
- Implemented **CI/CD** pipelines using **Jenkins**, decreasing release cycle times by 25% and supporting rapid, reliable deployments.
- Participated in **Agile** sprints, peer code reviews, and cross-functional team collaborations, contributing to a 20% improvement in sprint velocity and overall code quality.

Mitra Innovation | Sri Lanka

Jan 2019 – Aug 2019

Software Developer Intern

- 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

Undergraduate (Individual) Research Project – (CNN/ Gradient boost/IoT/ Android/ Flask/ Heroku)

- Developed sensor to measure the temperature, pH, humidity, and moisture levels of the soil, which was sent to Android application that predicted suitable plant types based on the pH and temperature of the soil.

Mood Prediction by Text – (NLP/React/NLTK/Python/ Flask)

- Created a website where user can express feelings by typing or copying and pasting texts into the prediction field, which then predicted appropriate emoji based on the given text.

Skin Disease Detection – (Computer Vision/Python/Flask/React Native/ Tensor/ Keras/ Scikit-learn)

- Built mobile application that predicted three skin types: acne, varicella (chickenpox), and healthy skin through the upload of images; app provided results indicating type of disease and description of condition.

Price Comparison System – (Web Scraping, Computer Vision, React Native, Android, NoSQL, Flask)

- Developed an innovative application capable of predicting the optimal prices for groceries by simply capturing an image of the item or a list of items. Users are empowered to conveniently choose their desired grocery stores, and the system utilizes location tracking to furnish them with a comprehensive list of the nearest shops.

EDUCATION

Postgraduate Certificate | Cloud Computing

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

Postgraduate Certificate | Artificial Intelligence

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

Bachelor of Science | Computer Science and Software Engineering

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

Certification

NLP & Text Mining with Python, Udemy

Web Development - PHP/MySQL Program, SLIIT