

# SAMEERA WAGAARACHCHIGE

 [Linkedin](#) |  +358 41 574 7218 |  [MyPortfolio](#) |  [sameera474@gmail.com](mailto:sameera474@gmail.com) |  [GitHub](#) | Tampere, Finland

## Skills

- JavaScript | TypeScript | Node | Express | React | vite | Material UI (MUI) | | Git | GitHub | AWS | Cloud | Agile
- UI/UX | Figma | package. JSON | API Development | MongoDB | Mongoose | Vercel | Media queries | Docker | CI/CD deployment with jenkins
- Python | Jupyter Notebook | Data Analyzing | Unity 2D | Adobe Ps/Ai/Pr | MS Office | MS Project
- Frontend | Backend | Full-Stack | English, Sinhala, Finnish

## Experience

**Full Stack Developer** Codersdash Tampere, Finland 15/2023 - 07/2024

- Developed and maintained web applications using React, TypeScript, JavaScript, Vite, HTML, CSS, and Material UI (MUI), ensuring responsive and high-performance user interfaces.
- Created server-side logic and APIs using Node.js and Express.js, integrating seamlessly with front-end applications.
- Collaborated with designers to deliver high-quality user experiences, utilizing Figma for UI/UX design.
- Implemented test frameworks and CI/CD pipelines, leveraging Jenkins for automated deployment.
- Utilized Git and GitHub for version control and collaboration within Agile development environments.
- Deployed and managed applications on AWS and Vercel, ensuring scalability and reliability in cloud environments.
- Designed and developed APIs, incorporating MongoDB and Mongoose for efficient data management.
- Enhanced application responsiveness with media queries and optimized performance using Docker.
- Created 2D interactive experiences with Unity, integrating UI/UX principles.
- Managed project dependencies and configurations using package. Json.
- Engaged in full-stack development, combining front-end and back-end expertise to deliver comprehensive solutions.

**Material Engineer** Access Engineering PLC Gampaha, Sri Lanka 04/2021 - 09/2022

- Led the inspection, direct sampling, and testing of all materials, ensuring compliance with industry standards and quality control protocols.
- Analyzed and documented test results promptly, taking remedial action as needed to maintain quality.
- Monitored and reviewed on-site testing and certification processes for accuracy and standards compliance.
- Coordinated lab team activities, ensuring clear communication, collaboration, and effective project execution.
- Managed quality assurance for materials in concrete and asphalt plants, ensuring adherence to technical specifications.
- Conducted product risk assessments and developed proactive strategies to optimize production processes.
- Facilitated team building and upskilling initiatives, enhancing team capabilities to meet company requirements.
- Reported to management on quality metrics and special projects, ensuring alignment with organizational objectives.

**Deputy Project Manager and Quality Assurance Manager** Edward and Christie Company Colombo, Sri Lanka 04/2017 - 04/2021

- Developed project plans, monitored progress, set deadlines, and resolved issues using MS Project to ensure on-time delivery.
- Planned and managed cash flow, monitored BOQ (Bill of Quantities), and ensured stakeholder satisfaction through effective communication and project updates.
- Evaluated project performance, conducted statistical analysis, and recorded data in quality reports, statistical reviews, and relevant documentation (RFI, ITP, Checklist).
- Developed procedures for inspecting and reporting quality issues (NCR, NCPN, CVI records, test reports), and maintained required inventories.
- Guided technicians and technical staff, assured reliability of construction processes and final outputs through rigorous checks, and facilitated proactive solutions by collecting and analyzing data.
- Reviewed and ensured compliance with current standards and policies (ISO 9001, BS EN, ASTM, AASHTO), and national environmental and safety standards on construction sites (ISO 14001, OHSAS 18001).
- Applied knowledge of Total Quality Management (TQM) and IATF 16949 for quality management systems.
- Planned and organized external quality inspections, evaluated proposals, made informed decisions, and managed calibration of all equipment with thorough documentation.
- Identified training needs, implemented programs to improve work performance, and oversaw preventive and corrective maintenance.

**Material Engineer** K D Ebert Sons & Holdings (Pvt) Ltd Matara, Sri Lanka 08/2015 - 04/2017

- Led soil testing processes, including SA, PI, PROCTOR, and CBR, ensuring accurate analysis and documentation.
- Conducted concrete testing for mix designs, slump, and strength, maintaining high standards of quality control.
- Performed aggregate testing, including SA, FI, AIV, CSD, PROCTOR, and CBR, to ensure material compliance.
- Managed asphalt testing, covering mix designs, bitumen extraction, Marshall, and specific gravity, to maintain quality standards.
- Conducted deport tray tests, prime coat, and tack coat testing for surface treatment applications.
- Coordinated laboratory team activities, ensuring effective collaboration and timely completion of tasks.

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## Education

Master of Full Stack Software Development	<u>JAMK university of applied science</u>	Jyväskylä, Finland	Reading 2024
Full Stack Software Development Bootcamp	<u>Codersdash.com</u>	Tampere, Finland	12. 2023 – 07.2024
Python Programming – 1 (Online)	<u>University of Moratuwa</u>	Colombo, Sri Lanka	11.2023 – 02.2024
Master of Business Administration	<u>University of Suffolk (UK)</u>	Colombo, Sri Lanka	07.2020 – 10.2022
Bachelor of Science (Honours) Materials Science and Engineering	<u>University of Moratuwa</u>	Colombo, Sri Lanka	06.2010 – 06.2015

## Projects

- Create a Memory puzzle game (HTML, CSS and JavaScript) [Link here](#)  
**Features**
  - Matching imagers:
    - Shuffle the images and arrange them face-down in a grid.
    - The 6 different images must match with each pair.
  - Score:
    - For each successful match, user can earn points.
    - Users' memory skill can check by the final total score.
- Create a Wacky Tales Weaver Game (HTML, CSS and JavaScript) [Link here](#)  
**Features**
  - Story books:
    - Display a grid of clickable images (representing different stories).
    - When a user clicks on an image, the corresponding story unfolds.
    - Each story can have text, images, or animations.
    - Users can explore multiple stories by clicking different images.
    - The game displays different stories by clicks the images.
  - Restart option:
    - When users click the restart button, the game resets, allowing them to read the stories again from the beginning.
- Weather Dashboard Application Using (HTML, CSS and JavaScript) [Link here](#)  
**Features**
  - Real-time weather data:
    - The application fetches and displays real-time weather data including temperature, humidity, wind speed, and more.
  - Search functionality:
    - Millions of locations are supported.
    - Lightweight JSON format.
- E-commers web site (HTML, CSS, JavaScript, React, Material UI) [Link here](#)  
Backend (APIs using Node.js, Express.js and MongoDB) [Link here](#)  
**Features**
  - Home Page:
    - Logo, navigation menu, search bar, user account/login button, and shopping cart icon with item count.
    - Display main product categories with images.
  - Shop Page:
    - Product cards displaying images, names, prices, and ratings with pagination or infinite scroll.
    - Filter and sort products by category, price range, brand, popularity, and rating.
  - Product Detail Page:
    - Main product image with thumbnail previews.
    - Detailed product information including name, price, description, specifications, and stock status.
    - Quantity selector and add to cart button.
    - Customer reviews and ratings.
  - Additional Features:
    - Responsive design, search functionality with autocomplete suggestions, user authentication (registration, login, password recovery), and email notifications for order confirmation and shipping updates.

## Referees

Mr. Md Towfiqul Alam  
Senior Cloud Developer and Project Manager  
Nordcloud, an IBM Company,  
Helsinki, Finland  
[towfiqul.alam@nordcloud.com](mailto:towfiqul.alam@nordcloud.com)

Mr. Safiul Alam  
Cloud Developer  
Nordcloud, an IBM Company,  
Tampere, Pirkanmaa, Finland  
+358405471232 / [alamsafiul99@gmail.com](mailto:alamsafiul99@gmail.com)