

ASHAN SAMARASINGHE

Software Engineer

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Career Profile

- Resilient, creative-thinking Software Engineer with delivering user-centric, scalable solutions.
- Proven skills in Full Stack Software development, Game development UI/UX Design, and performance optimisation, with results in **improving user experience**.
- Skilled in Javascript and .NET frameworks results in implementing best coding practices to **optimise Web development for maximum speed and scalability**.
- Passionate about integrating cutting-edge technologies to drive user experience and deliver customer value faster.

Skills

- **Programming/Scripting Languages:** JavaScript, TypeScript, C#, C++ (with STL), PHP, HTML, CSS
- **Frameworks & Libraries (Web):** React.js, Node.js + Express.js .NET Core, SASS
- **Frameworks & Libraries (Game dev):** Unity, OpenGL, ShaderLab, GLSL
- **Cloud Computing:** Azure, AWS EC2
- **UI/UX Design:** Figma, Adobe Illustrator
- **PM & Collaboration Tools:** JIRA, Confluence, Git
- **Databases:** SQL (MySQL, MS SQL Server, Oracle), NoSQL (MongoDB)

Experience

Software Engineer

2022-2023

FREELANCE

Project- Halcyon.lk (Industry – Management Consultancy Firm)

Tech Stack: PHP, MySQL, HTML/CSS/JS

- Implemented PHP backend functionalities to support dynamic content and interactive features for Halcyon.lk, **enhancing user engagement by 25%**.
- **Improved feature robustness** and maintained high-quality code standards by implementing Change Requests (CRs) and conducting thorough code reviews.

Project- GAIA Portal | Web app

Tech Stack: React Ts, Laravel, MySQL

- Developed a compelling web portal for GAIA Green energy Holdings, managing officer and user accounts, leading to a **30% increase in operational efficiency**.
- Assisting the product owner in facilitating scrum ceremonies including daily stand-ups, sprint planning and backlog refinements while providing input to **clarify acceptance criteria and the definition of "done"**.
- Implemented APIs in Laravel-based microservices, facilitating seamless integration with external partners.

Front End Developer | UI/UX Engineer

October 2021 - August 2022

INFORMATICS INTERNATIONAL – SRI LANKA

Project: Insurance Application for Hatton National Bank

- **Increased design efficiency** by developing UI component designs in Figma, streamlining the design process, and facilitating smoother handoffs to developers.
- **Achieved a 20% reduction in development time** by maintaining and updating a React component library, accelerating the implementation process for new features.
- Analysed wireframes provided by Business Analysts and developed visually appealing user interfaces using **Figma**.

Software Engineer

March 2021 - October 2021

LK DOMAIN REGISTRY

An independent non-profit organisation, which helps Sri Lankan organisations and individuals create their unique identity on the web by registering .LK domains.

- Played a major role in upgrading the online voting system for BestWeb.LK 2021 competition, automating vote counting and identifying fraudulent votes, which increased the **system's accuracy by 40%**.
- Achieved a **significant reduction in incident resolution time** by implementing advanced troubleshooting techniques and resolving bugs in the Domain Registry System.
- Collaborated with multiple stakeholders including Solutions Architect, Product Owner, Senior Executives and the Internal development team to develop long-term software strategy, product road maps, operational plans, and schedules.
- Participated in code reviews and conducted thorough testing of the UI components to identify and resolve performance bottlenecks.

Software Developer Intern (Game Development)

March 2019 - September 2019

TAKUMI TECH

Project- Slice Master | Hyper-casual mobile game

Tech Stack: Unity, C#

- Contributed to the design and implementation of "Slice Master," a hyper-casual mobile game, improving **gameplay mechanics and UI features**.
- **Achieved a 20% increase in user engagement** by participating in playtesting and implementing iterative improvements.
- Improved team collaboration and project management by introducing agile methodologies, resulting in a **increase in project delivery speed**.

Academic and Personal Projects

Rostering Tool for Metro Academy Melbourne

RMIT University | Master of Information Technology

- Serving as a full stack developer, delivered a comprehensive rostering tool to automate instructor scheduling, leave management, and report generation, **reducing manual work by 12-15 hours a week**.
- Enhanced user experience through the design and implementation of an intuitive, user-friendly interface using **React.js**.
- Improved backend performance by utilising **Express.js** for efficient server-side operations and **MySQL** for robust and scalable database management.

Pixelate | OpenGL Renderer

More Details in [Portfolio](#)

YakaProject | FPS Horror Game for Windows

More Details in [Portfolio](#)

Education

Master of Information Technology

July 2022 - July 2024

RMIT University

BSc. in Computing and Information Systems

February 2016 - July 2021

Sabaragamuwa University - Sri Lanka

Certifications

Microsoft Certified | Azure Fundamentals

February 2023 - Current

References

Available upon request.