







# Gagana Abeyrathna

## Consultant - Technology

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Innovative Consultant/Software Engineer and UI/UX Specialist with over four years of experience and a proven track record in building high-performance web applications and intelligent systems. Expert in modern front-end frameworks, cloud technologies, and design-driven developments. Passionate educator and project lead, blending technical excellence with real-world impact across industry and academia.

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## SKILLS & ABILITIES

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<b>Languages &amp; Markup:</b>	JavaScript, TypeScript, HTML, CSS, SCSS, C#
<b>Frameworks &amp; Tools:</b>	Angular, React JS, .NET
<b>Databases:</b>	MSSQL, MySQL, MongoDB, Firebase
<b>Design Tools:</b>	Figma, Adobe XD, Sketch, Adobe Software
<b>Libraries:</b>	Angular Material, Bootstrap, Material-UI, Tailwind CSS, DevExtreme, Chart.js, Semantic UI, Ant Design, PrimeNG, Foundation
<b>Cloud:</b>	Azure, Oracle, AWS
<b>Data Analytics:</b>	Microsoft Power Apps & BI
<b>Version Controls:</b>	GitLab, Azure DevOps, Git
<b>Other:</b>	Management, Problem-solving, Communication, Leadership, Adaptability, Work Ethic

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## EXPERIENCE

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**Zaco Information Technology Lanka (Pvt) Ltd**  
Consultant

**September 2025 - Present**

- Conduct regular market intelligence gathering to identify emerging trends, new opportunities, and competitor strategies, and provide actionable insights to Zaco Sri Lanka's leadership team for strategic decision-making.
- Identify and generate qualified business leads for Zaco Sri Lanka.
- Develop and refine sales strategies, including go-to-market plans and territory development approaches, to achieve a healthy bottom line for the organization.
- Build and maintain strong client and partner relationships.
- Uphold Zaco Sri Lanka's brand values and code of conduct in all external communications and client interactions. Represent Zaco Sri Lanka in business development meetings, forums, and events. Ensure all representations made to clients are accurate, ethical, and in compliance with company policies
- Maintain accurate and up-to-date records of all client interactions, leads, opportunities, and conversions using Zaco Sri Lanka's CRM system or agreed reporting format.
- Maintain strict confidentiality regarding all proprietary information, trade secrets, and client data.

- Conduct user research and gather insights through interviews, surveys, and usability testing.
- Create user personas, scenarios, and user journey maps to understand user needs and behaviors.
- Design wireframes, prototypes, and high-fidelity mockups using design tools. (Sketch, Figma, and Adobe XD)
- Develop and maintain design systems and style guides to ensure consistency across the product.
- Collaborate with stakeholders, product managers, and developers to define and implement innovative solutions for product direction, visuals, and experience.
- Perform usability testing and iterate on designs based on feedback and data.
- Ensure designs are accessible and inclusive, adhering to accessibility standards.
- Communicate design ideas and prototypes to developers and other team members.
- Participate in brainstorming sessions and contribute to creative concepts and ideas.
- Write clean, maintainable, and efficient code following best practices and coding standards.
- Develop, test, and deploy scalable and reliable web or mobile applications.
- Collaborate with designers to implement user interfaces and ensure a seamless user experience.
- Optimize applications for maximum speed and scalability.
- Troubleshoot and debug issues in existing applications.
- Integrate third-party APIs and services as needed.
- Maintain and update codebases, libraries, and documentation.
- Participate in code reviews to ensure code quality and consistency.
- Work closely with cross-functional teams to define, design, and ship new features.
- Stay up to date with emerging technologies and industry trends to continuously improve development practices.

## KEY PROJECTS

### Spil Cloud - ERP System for Flat Glass Industry

SPIIL Glass Cloud software is a comprehensive solution designed specifically for the glass industry. It provides tools and features to manage various aspects of glass production and business operations. Key functionalities typically include:

- **Production Management:** Tracks the production process from batching to dispatching, ensuring efficient workflow and quality control.
- **Inventory Management:** Manages raw materials, finished products, and supplies to optimize stock levels and reduce waste.
- **Order Processing:** Facilitates the handling of customer orders, including order entry, tracking, and fulfillment.
- **Quality Control:** Implements quality checks and standards throughout the production process to maintain high product standards.
- **Reporting and Analytics:** Provides detailed reports and analytics to help businesses make informed decisions and improve operational efficiency.
- **Integration Capabilities:** Integrates with other systems and software to streamline operations and enhance data flow across the organization.
- **Customer Relationship Management (CRM):** Helps manage customer interactions, sales, and service requests.

This software aims to optimize production, improve quality, and enhance overall business efficiency in the glass manufacturing sector.

**Technology:** React JS, DevExtream, DevExpress,.Net/ C#, MSSQL, Kafka, Docker, Asure DevOps, Git

- Translate high-level objectives and design principles into polished visual design.
- Participate in user research activities inclusive of participatory design sessions.
- Interpreting business needs into effective visual communication tools.
- Rapidly develop behavioral prototypes, user flows, final design assets, high-fidelity mock-ups, and lightweight design specifications.
- Contribute to the ideation and concept development of visual design concepts.
- Design user experiences that are intuitive elegant and in line with current design trends and concepts, delivering wireframes, user stories, user journeys, and mockups optimized for a wide range of devices and interfaces.
- Be an advocate for interaction design best practices with a focus on consistency and usability.
- A clear understanding of accessibility (contrast, font size, color, touch, and more) to achieve A levels.
- Developed and implemented new features for retail surveillance keyword provisioning on email generations.
- Implement new features for metrics and client relationships report generation for data analytics.
- Optimized inventory management and assisted in the integration of services through microservices architecture.
- Coordinated across cross-functional teams and ensured that the deliverables and milestones were met according to the sprint plan.
- Debug, bug fix, implement new features, and test microservices for support maintenance.
- Actively engaged in development updates and Scrum meetings conducted by offshore and onsite teams.
- Participate in building Jira stories, and sprint planning.

## **KEY PROJECTS**

### **Dress Smart – Shop Flow Control System Line Operational Statistics Real-Time Dashboard**

It aims to provide real-time dashboard updates on the knitting and finishing processes as they move through each clothing line of operation which consists of robotic operations and human labor. The system optimizes inventory management, reducing lead times, improving quality control, and minimizing errors. It assists managers in monitoring the progress of an order and employee performance of each operation line, improving productivity and efficiency.

**Technology:** Angular, Angular Material, MongoDB, Kafka, Web Sockets, Docker, Kubernetes, AWS, Jira, Git, Gitlab, Jenkins, Maven, Java, Spring Boot, Spring Cloud, Spring Security, Jackson2, JUnit,

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**IT Consultants Pvt Ltd , Sri Lanka****July 2019 - April 2022**

Associate Consultant - Web &amp; UI Development

- Develop wireframes, mockups, and prototypes to visualize the layout and functionality of the design.
- Use tools like Figma, Sketch, Adobe XD for creating prototypes.
- Iterate on designs based on feedback from stakeholders and users.
- Design visually appealing and functional user interfaces that align with brand guidelines.
- Develop design systems, style guides, and pattern libraries.
- Ensure designs are responsive and accessible across devices and platforms.
- Translate design prototypes into functional code using HTML, CSS, JavaScript, and TypeScript.
- Implement UI components using frameworks (React, Angular, Node JS).
- Conduct user research through interviews, surveys, and usability testing.
- Analyze user behavior and needs to inform design decisions.
- Create user personas and customer journey maps.
- Ensure cross-browser compatibility and mobile responsiveness.
- Conduct usability testing to gather user feedback on design and functionality.
- Analyze testing results and make iterative improvements.
- Address any usability issues or bugs identified during the testing phase.
- Document design processes, decisions, and guidelines for future reference.
- Created and maintained design documentation for developers and other team members.
- Provide training and guidance on using design systems and tools.

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**OTHER APPOINTMENTS**

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**Asian Development Bank**  
Consultant**November 2024 - Present**

- Support to the Ministry of Education, Sri Lanka, in implementing the National Education Management Information System (NEMIS) under the Secondary Education Sector Improvement Program (SESIP).

**General Sir John Kotelawala Defence University, Sri Lanka****January 2023 - Present**

Visiting Lecturer - Department of Information Technology, Faculty of Computing

**Teaching Areas**

- Web Technologies
- Advanced Web Technologies
- Software Engineering
- Cloud Computing
- Data Analytics (Microsoft Power Apps and BI tools)

**University of Vocational Technology , Sri Lanka****January 2024 - Present**

Visiting Lecturer / Evaluator - Department of Information Technology

**Teaching Areas**

- Web Technologies
- Advanced Web Technologies
- Software Engineering
- Cloud Computing
- Data Analytics (Microsoft Power Apps and BI tools)

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## EDUCATION

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**General Sir John Kotelawala Defence University, Sri Lanka**  
BSc (Hons) in Information Technology

January 2019 - December 2022

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## CERTIFICATIONS

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### **Oracle Certifications :**

- Oracle Certified Associate Programmer
- Oracle Cloud Infrastructure Certified Foundations Associate
- Oracle Cloud Data Management Foundations Associate

### **AWS Certification :**

- AWS Partner: Cloud Economics Accreditation
- AWS Cloud Practitioner Essentials
- Introduction to Amazon Virtual Private Cloud (VPC)

### **CISCO Certification :**

- CCNA : Introduction to Networks
- CCNAv7: Bridging
- Introduction to Cybersecurity
- NDC Linux Essentials
- Introduction to 10T

### **United Nations Institute for Training and Research :**

- Geo-spatial Information Technology (GIT) in Fragile Contexts
- Introduction to Sustainable Finance
- Working in Complex Emergencies
- Anticorruption and Human Rights

### **Havard University**

- Contract Law: From Trust to Promise to Contract
- Justice

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## REFEREES

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### **Mr. Heshan Karunaratne**

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### **Mr. Damith Hettihewa**

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