PRABODHA JAYAWARDENA

SOFTWARE ENGINEER

CONTACT

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EDUCATION

Master of information technology (MIT) Reading
University of Colombo school of computing

Bachelor of information technology (BIT)
University of Colombo school of computing

Higher Diploma in information technology (HDIT)
University of Colombo school of computing

Diploma in information technology (DIT)
University of Colombo school of computing

Diploma in Web Engineering (Pearson Assured)

Diploma in PC Hardware and network Administration (Pearson Assured)

Sat for G.C.E Advanced Level Examination 2013 (Maths Stream)
-English medium Mahanama College Colombo 03.

G.C.E Ordinary Level Examination 2010
-English medium Rajasinghe Central College Hanwella.

LANGUAGES

English
Sinhala

PROFILE

As a seasoned Software Engineer with over 4 years of hands-on experience, I am a dedicated professional specializing in JavaScript development. Throughout my career, I have demonstrated a strong commitment to crafting robust and efficient solutions while keeping up with the latest industry trends and best practices. My passion for problem-solving, combined with my proficiency in multiple programming languages, allows me to deliver high-quality software products that meet and exceed client expectations.

WORK EXPERIENCE

Software Engineer

Eyepax   2022-present

- **Backend Development:** Developing and maintaining the server-side logic using Node.js to ensure efficient data handling, security, and seamless integration with the frontend.

- **GraphQL Implementation:** Utilizing GraphQL to design and implement APIs that efficiently serve data to the frontend, providing a flexible and performant data retrieval system.

- **Serverless Architecture:** Architecting and building a serverless application to optimize performance, cost-effectiveness, and scalability. Leveraging cloud services like AWS Lambda Functions to handle server-side tasks.

- **Database Management:** Designing and optimizing database schemas, using technologies like NoSQL databases or DynamoDB, to store and manage asset-related information effectively.

- **Continuous Integration and Deployment (CI/CD):** Implementing and maintaining automated CI/CD pipelines to enable rapid and reliable deployment of updates and new features.

Software Engineer

Bukflights   2021-2022

- **Frontend Development**: Implementing user interfaces and ensuring a seamless user experience using modern frontend technologies such as ReactJS and VueJS. Collaborate with UX/UI designers to translate wireframes and designs into functional and visually appealing web pages.

- **Backend Development:** Designing and developing scalable server-side applications and APIs using Node.js. Ensuring robustness, security, and reliability of the backend systems for handling flight booking and related functionalities.

- **Database Management:** Utilizing databases, including Redis, for efficient storage and retrieval of flight data, user information, and related content. Optimizing database queries and data models for improved performance. (MongoDB as primary database)

- **Integration with External APIs:** Integrating BukFlights with various external APIs, such as airline booking systems (Amadeus API, Sabre API), to facilitate seamless flight bookings and real-time updates.

EXPERTISE

- Proficient in GraphQL, with experience designing and implementing GraphQL APIs for efficient data retrieval and manipulation.

- Familiarity with Redis, understanding its caching mechanisms and practical applications for improving application performance.

- Knowledge of AWS (Amazon Web Services) cloud platform, including services like AWS Lambda, API Gateway, S3, DynamoDB, and IAM.

- Expertise in Node.js, utilizing it to build scalable and high-performance server-side applications.

- Experience with Next.js, leveraging its server-side rendering capabilities and building dynamic and SEO-friendly React applications.
- Familiarity with Nuxt.js, utilizing its powerful features to create server-side rendered Vue.js applications with a focus on performance and SEO.

- Proficient in MongoDB, designing and optimizing database schemas, and using MongoDB as the primary NoSQL database for data storage.

- Solid understanding of RESTful API design principles and best practices for creating robust and maintainable APIs.

- Experience with Git version control system, allowing for efficient collaboration and code management in team environments.

- Knowledge of containerization and orchestration tools like Docker for scalable and portable application deployments.

- Familiarity with agile development methodologies and working in an iterative, collaborative development environment.

- Strong problem-solving skills, debugging capabilities, and a passion for writing clean, modular, and well-documented code.

- Ability to work both independently and as part of a team, effectively collaborating with other developers, designers, and stakeholders.

EXTRACURRICULAR ACTIVITIES

- Member of student council of ESOFT Metro Campus Colombo 04.
- Member of Interact Club of Mahanama College Colombo 03

- **Code Reviews and Collaboration:** Participating in code reviews to ensure code quality, consistency, and adherence to best practices. Collaborating with other developers and team members to share knowledge and drive continuous improvement.

- **Staying Current with Technology Trends:** Keeping up-to-date with the latest advancements in frontend, backend, cloud, and related technologies to suggest improvements and innovations for the BukFlights platform.

Software Engineer

Quotro (PVT) LTD   2020 Jan -2021 Dec

- **Wordpress CMS Integration:** Work with the backend development team to integrate frontend components seamlessly with Wordpress, ensuring smooth data flow and efficient content management.
- **UI/UX Optimization:** Continuously improve and optimize the user interface to enhance usability, accessibility, and overall customer satisfaction. Implement intuitive navigation, interactive elements, and engaging visuals to keep users engaged and encourage conversions.
- **Performance Optimization:** Identify and address frontend performance bottlenecks to ensure fast loading times and smooth interactions. Optimize code and assets to deliver a high-performing website.
- **Frontend Development:** Collaborate with the design team to translate wireframes and mockups into responsive and visually appealing web pages using ReactJS. Ensure a seamless and intuitive user experience across different devices and screen sizes.

Web Developer

Litmus (PVT) LTD   2019 Jan -2020 Mar

- **Website Development:** Collaborate with clients and the design team to translate project requirements into fully functional websites. Use WordPress as a content management system to create custom themes and templates with the backend.

- **Plugin Integration:** Integrate and configure WordPress plugins to add functionalities requested by clients, such as contact forms, social media integration, e-commerce capabilities, and more.

- **Version Control and Testing:** Use version control systems like Git to manage the codebase efficiently and collaborate effectively with other developers. Conduct thorough testing to identify and fix bugs, ensuring a bug-free user experience.

- **Responsive Design:** Implement responsive web design principles to create websites that adapt and display flawlessly on various devices, including desktops, tablets, and smartphones.

REFERENCES

Mr Daminda Herath,
Phil (Reading),MSC(Col),MBCS,MCSSL,MIEEE,MSLAAS, MIAOE,MIEDMS,
Visiting Lecturer,
ESOFT Metro Campus,
Colombo,Sri Lanka.

Mrs. Melani Dayananda,
Program Manager/Lecturer,
School of Tourism and Hospitality Management,
ESOFT Metro Campus,
Colombo,Sri Lanka.

I hereby certify that the information is correct and complete to the best of my knowledge and belief.

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Prabodha Jayawardena