

PRABODHA JAYAWARDENA

Software Engineer

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👤 Male

🚩 Sri Lankan



PROFILE

Software Engineer with 5+ years of experience specializing in JavaScript, React, Node.js, and AWS-based serverless architectures. Proven track record of delivering scalable, high-performance web applications and APIs by applying modern frameworks, cloud services, and best coding practices. Strong problem-solver with expertise in frontend and backend development, database optimization, and integration with third-party services. Passionate about building efficient, maintainable solutions that enhance user experience and meet business goal

WORK EXPERIENCE

Software Engineer

July 2022 – Present | Colombo

EYEPAX IT CONSULTING (PVT) LTD

Role & Responsibilities

- Developed scalable full-stack applications with React, Node.js, GraphQL, and AWS Serverless (Lambda, S3, SQS, DynamoDB).
- Improved frontend performance by reducing unnecessary component re-renders using useMemo, useCallback, and careful props management, and by implementing React Virtualized for large data sets.
- Designed and optimized DynamoDB queries with indexes and projections, reducing latency and improving database efficiency.
- Built responsive and accessible user interfaces using React, Tailwind CSS, Radix UI, and SCSS.
- Implemented GraphQL APIs for flexible and optimized data fetching across services.
- Enhanced system scalability and reliability by using AWS SQS for asynchronous messaging and WebSockets for real-time updates.
- Monitored and maintained system health with AWS CloudWatch, ensuring fast issue resolution and performance tracking.
- Mentored junior developers through code reviews, pair programming, and technical guidance, improving team knowledge and code quality.
- Collaborated with cross-functional teams (developers, QAs, and product owners), actively participating in sprint planning, estimations, and daily standups.
- Contributed to continuous improvement by sharing best practices, enforcing coding standards, and driving discussions on architecture and design decisions.

Achievements

- Reduced frontend rendering time by 40%** through careful props management, memoization, and virtualized rendering.
- Decreased DynamoDB query response time by 25%** by implementing efficient indexes and projections.
- Improved deployment scalability** by designing AWS Lambda-based serverless functions, reducing infrastructure costs by ~20%.
- Increased data fetching efficiency** by introducing GraphQL APIs, cutting down over-fetching and improving client performance.
- Enhanced real-time user experience** by integrating WebSockets, enabling instant status updates and campaign confirmations.

- **Improved team performance** by mentoring juniors and conducting code reviews, resulting in fewer post-release defects.

Software Engineer

BUK FLIGHTS

January 2021 – June 2022

Role & Responsibilities

- Built responsive, SEO-friendly user interfaces using **React.js, Vue.js, and Next.js**, translating UX/UI designs into high-quality web pages.
- Developed **scalable backend services and APIs with Node.js**, ensuring high reliability and secure flight booking operations.
- Managed and optimized **MongoDB** and **Redis** databases, improving efficiency in flight data processing and user information retrieval.
- Integrated external flight booking APIs such as **Amadeus** and **Sabre**, enabling seamless reservations and real-time updates for users.
- Improved frontend performance and user experience by implementing **Zustand** and **React Query** for state management and data fetching.
- Conducted **code reviews** to uphold best practices, maintain code quality, and mentor junior team members on modern development standards.
- Collaborated with developers, designers, and stakeholders to deliver continuous platform improvements and new features.

Achievements

- **Reduced page load times by ~30%** through performance optimizations in React and Next.js, improving user retention.
- **Improved SEO scores by 25%**, increasing organic traffic and visibility for key flight search pages.
- **Cut API response times by 20%** by optimizing Node.js backend services and database queries.
- **Decreased booking errors** by implementing robust API validation and error handling for Amadeus and Sabre integrations.
- **Enhanced team productivity** by introducing streamlined code review practices, reducing defect rates and improving release quality.

Full-Stack Developer

QUOTRO (PVT) LTD

January 2020 – December 2021

Responsibilities

- Integrated **React.js frontend components** with **WordPress CMS**, enabling seamless content management and smooth data flow between systems.
- Optimized **UI/UX** by improving navigation, accessibility, and interactive elements to increase user engagement and conversion rates.
- Enhanced website performance by **reducing load times and optimizing assets**, ensuring fast and smooth user experiences.
- Developed responsive, visually appealing web pages from **wireframes and mockups** using React.js, ensuring consistent cross-device usability.
- Utilized **Advanced Custom Fields (ACF)** in WordPress to create and manage custom content types, improving site flexibility.
- Integrated and customized **WordPress forms** to efficiently capture, process, and store user data.

Achievements

- **Reduced website load times by ~30%**, resulting in faster navigation and improved SEO rankings.
- **Increased user engagement and conversions by 15%** through UX/UI improvements and enhanced interactivity.
- **Streamlined content management workflows** by integrating React.js with WordPress, reducing manual effort for non-technical users.
- **Improved accessibility compliance** (WCAG standards), making the platform more inclusive and user-friendly.
- Delivered multiple high-quality releases on time, strengthening client satisfaction and repeat business.

Responsibilities

- Built and deployed fully functional **WordPress websites** by translating client requirements and designs into custom themes and templates.
- Managed source code with **Git** for version control, enabling efficient collaboration and streamlined change tracking across development teams.
- Performed comprehensive **cross-browser and device testing** to identify and resolve bugs, ensuring stability and consistent performance.
- Applied **responsive design best practices** to deliver mobile-friendly websites that adapted seamlessly across various screen sizes.

Achievements

- **Delivered 10+ WordPress websites** that met client requirements, resulting in high customer satisfaction and repeat business.
- **Reduced post-deployment bug reports by 25%** through rigorous testing and QA practices.
- **Improved collaboration efficiency** within the team by implementing structured Git workflows.
- **Increased mobile traffic engagement** by ensuring responsive and accessible design across devices.

PROJECTS

SONDER

Full-Stack Developer – Marketing Campaigns Management Platform

Enhanced a **web-based marketing campaigns management platform** for an Australian client, focusing on performance, scalability, and reusability.

Responsibilities:

- Designed and implemented **GraphQL APIs**, managing **serverless backend code** with **AWS Lambda** for scalable and reliable services.
- Built **reusable frontend components** using React **class and functional components**, improving consistency and maintainability.
- Managed **cloud deployments** and infrastructure using **AWS CodeBuild, CodeCommit, CloudFormation, Cognito, and S3**.
- Implemented **unit tests with Jest** to ensure high code quality and minimize post-deployment issues.
- Collaborated with clients during **requirement gathering, Agile ceremonies, and live demos**, ensuring alignment with project goals and expectations.

Technologies:

React.js, Node.js, GraphQL, Serverless, Lambda, SQS, SES, WebSocket API, DynamoDB, S3, CodeBuild, CodeCommit, Cognito, CloudFormation, TypeScript, Jest

BUKFLIGHTS

Frontend & Backend Developer – Flight Booking Engine

Worked on a travel technology platform, building scalable frontend interfaces with React.js/Vue.js/Next.js and backend services with Node.js, integrating APIs for real-time flight bookings, and optimizing databases for high performance and reliability.

RASAI.LK

Frontend & Backend Developer – E-commerce Grocery Platform

Developed a full-stack e-commerce application connecting buyers, suppliers, and logistics providers, implementing responsive frontend interfaces, scalable backend services, and efficient database management to ensure smooth operations and real-time data updates.

TECHNICAL EXPERTISE

Frontend: React.js, Next.js (SSR, SEO-friendly), Vue.js, Nuxt.js, Tailwind CSS, SCSS, Radix UI, Shadcn/ui, React performance optimization (useMemo, useCallback, React Virtualized)

Backend / APIs: Node.js, GraphQL, Serverless (AWS Lambda), RESTful APIs

Databases / Storage: MongoDB, DynamoDB, Redis, AWS S3

Cloud / DevOps: AWS (Lambda, API Gateway, DynamoDB, S3, IAM, CloudFormation, CodeBuild, CodeCommit, Cognito), Docker, Bitbucket

State Management / Data Fetching: Redux, Zustand, React Query

Testing / API Tools: Jest, Unit Testing, Postman, Bruno

Version Control: Git, GitHub, Bitbucket

Methodologies / Soft Skills: Agile/Scrum (daily standups, sprint planning, backlog grooming, retrospectives), peer code reviews, mentoring juniors, collaborative teamwork, problem-solving, debugging, clean modular coding

SKILLS

ReactJS	NextJS
NodeJS	Express.JS
MongoDB	DynamoDB
Git	GitHub
Docker	RadixUI
JavaScript	TypeScript
Shadcn/ui	Tailwind CSS
GraphQL	AWS S3

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)
ESOFT METRO CAMPUS

Diploma in PC Hardware and network Administration (Pearson Assured)
ESOFT METRO CAMPUS

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.

REFERENCES

Nuwan Wimalasena, Associate Technical Lead, Eyepax IT Consulting

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Randika Hasheen, Associate Technical Lead, ISA (Information Systems Associates)

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