

Lahiru Karunathilaka

Software Engineer

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WORK EXPERIENCE

Bigzkoop – May 2022 – Present

Software Engineer (Jan 2025 – Present)

- Developing the scalable full-stack applications using modern technologies.
- Designing and optimizing frontend and backend services, as well as database structures for performance and maintainability.
- Mentoring interns and junior developers on best practices and project workflows.

Associate Software Engineer (Nov 2022 – Dec 2024)

- Contributed to both frontend and backend development using React.js, Next.js, and Nest.js.
- Assisted in system architecture decisions and participated in code reviews.
- Guided UI/UX designers to create user-centric designs that effectively addressed key business scenarios.
- Developed and maintained RESTful APIs to enhance system performance and scalability.

Trainee Software Engineer (May 2022 – Nov 2022)

- Gained hands-on experience in full-stack development and best coding practices.
- Collaborated with senior developers to build and deploy real-world applications.
- Assisted in debugging, testing, and optimizing code for improved efficiency.

SKILLS SUMMARY

- Programming Languages:** JavaScript, Typescript, Java
- Front-End Development:** React Js, Next JS, Tailwind, Bootstrap, CSS3, HTML5, Redux, Saga, Shadcn,
- Back-End Development:** Node Js, Nest Js, TypeOrm, Prisma, Spring Boot framework
- Database:** PostgreSQL, MySQL, Firebase, MongoDB
- Technologies:** Git hub, Git hub actions for CI/CD, Docker, payhere, SEO, AWS, Agile (Scrum)
- Soft Skills:** Critical thinking, Excellent problem solving, Quick and self-learner, Adaptability, Ability to analyses complex technical information

EDUCATION

BSc (Hons) in Computer Science and Software Engineering	2019-2022
University Of Bedfordshire (UK) at SLIIT	Second Class Upper
GCE A/L Mathematics Stream	2015 – 2017
Ranabima Royal College, Kandy	

PROJECTS

FashionNestLK Project - NextJs | Tailwind | Redux Saga | NestJs | Prisma | PostgreSQL | Firebase Storage | Node mailer

E-Commerce website, customer facing website, an admin dashboard and designer portal for custom T-shirt's design.

- Designed and developed an admin dashboard and designer portal to manage designers, customers, t-shirts, orders and payments and design t-shirts.
- Built RESTFUL API for seamless integration between the backend and frontend and also authentication and authorization.
- Utilized React to create a responsive and intuitive.
- Improved SEO strategies to enhance visibility and search engine ranking for the marketing website.

Zkoop Academy Project | ReactJs | Redux Saga | Tailwind | React-strap | NestJs | TypeOrm | PostgreSQL

Learning Material platform to manage students, courses, exams, quiz.

- Contributed to the design and implementation of the Zkoop Academy learning platform and the database design phase using an ER diagram for business scenario. Built RESTFUL API for seamless integration between the backend and frontend and also authentication and authorization.
- Implemented authentication and role-based access control for students and administrators.
- Implemented database architecture with Nest.js, TypeORM, and PostgreSQL, and developed essential RESTFUL APIs for question and answers management, as well as exam generation.

Eddwise Project - NextJs | Tailwind | Redux Saga | Axios | React-strap

Admin panel and marketing web for Institute.

- Developed intuitive and responsive user interfaces and optimizing user experiences.
- Integrated frontend functionalities with the backend, optimizing data flow and performance.
- Improved SEO strategies to enhance visibility and search engine ranking for the marketing website.

Adamanth HRMS Project - ReactJs | tailwind | Redux Saga | Axios

Human resource management system for man power agency in USA.

- The main requirements of the project were to create a system that can manage employees, manage clients that connected with the company, pay sheet and time sheets, etc
- Worked as a frontend developer, developed UI, functionalities and integrated api endpoints.

Final year group project - ReactJs | Bootstrap | Node js | ExpressJs | Mysql

E-commerce website for Chathuranga car sale.

- The group project has done according to the agile methodology. The objective was to increase sales of the chathuranga car sale.
- Provide a helpful and easy to use web application for Chathuranga Car Sales to reach out to a substantial customer base, and instantaneously, make the Business-to-Customer relationship less complicated.
- Designed database and developed backend with Restful API and authentication and authorization.
- Designed developed user-friendly UI and integrated to backend APIs.