Software Engineer

Lahiru Karunathilaka

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WORK EXPERIENCE

BIG ZKOOP – *May 2022 – Present*

Software Engineer *(Jan 2025 – Present)*

- Developing scalable full-stack applications using modern technologies such as React.js, Next.js, Nest.js.
- 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, Redis, BullMQ

- **Database:**   PostgreSQL, MySQL, Mongodb

- **Technologies:**   GitHub, CI/CD, Docker, payhere, SEO, AWS, Vercel, Agile

- **Soft Skills:**   Critical thinking, Excellent problem solving, Quick and self-learner, Adaptability, Ability to analyze 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 | Nest.Js | Prisma | PostgreSQL | AWS | Redis | BullMQ
E-Commerce website, customer facing website, an admin dashboard and designer portal for custom T-shirt 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 UI.
- Improved SEO strategies to enhance visibility and search engine ranking for the marketing website.

Zkoop Academy Project | ReactJs | Redux Saga | Tailwind | Firebase storage | Nest.Js | TypeOrm | PostgreSQL
Learning Material platform to manage students, courses, exams, quiz.
- Played a key role in designing and implementing the Zkoop Academy learning platform, led the database design phase, and provided guidance to UI designers to ensure alignment with business requirements. 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, paysheets and timesheets, etc
- Worked as a frontend developer, developed UI, functionalities and integrated api endpoints and optimized performance.

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.