LANKA RATHNAYAKA

FULLSTACK ENGINEER

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Familiar Technologies	JavaScript, Next.js, React.Js, MongoDb, Node.js, AWS,Azure,MongoDb,Tailwind, Bootstrap
Connect with Me	Medium Profile 🔗 Stack Overflow Profile 🔗
Portfolio	https://lankarathnayaka.vercel.app/

Hi I am Full stack Engineer with Bachelors Honors(4 Years) in Information Systems from University of Colombo with a GPA of 3.4. I have experience building and shipping production software in Java-Script stack. Most of my recent projects were mainly based on React, NextJs and NodeJs stack. But I am willing to learn any new technology or language based on the product requirement.

Swivel Tech   May 2022 - Present

Champion Data Project

- Objective:
  - Build a tracking web-app to track and record player moves during Australian football league matches.
- Key deliverables:
  - App should work seamlessly on iPad-mini devices and on web
  - A functional ICC Interchange app for real-time player tracking during matches to be used by ICC officials
  - User-friendly UI design and seamless API integration
  - Support for PWA and offline working mode requirements.
  - Vercel CI/CD deployments with unit and integration testing
- Impact
  - Improved player tracking and time recording during matches(from 60% to
  - Increased efficiency and accuracy in data collection with offline capability.
  - was able to replace the old tracking application and move 100% with the new app.
- **Technologies: Nextjs,Typescript,Zustand,Material UI, Tankstack query,Vercel deployment**

Digi Bank Project

- Objective:
  - Facilitate digital banking for enterprises through the Union Bank digital web application
- Key deliverables:
  - Building a white labeled Digi Bank web application
  - A seamless and user-friendly digital banking experience for enterprise customers onboarding user story
  - Integrate account statement options to the product
  - Customizable branding options to align with the enterprise's brand image
  - Improved security through the role-based authentication
- Impact:
  - Improved accessibility to digital banking services for enterprise customers
  - Streamlined onboarding process for enterprises
  - Increased trust and security in the digital banking platform.
- **Technologies: React.js, Redux Toolkit, RTK Query, Chakra UI**

FINAL YEAR RESEARCH(UNDERGRADUATE)

- 3D interactive data visualization tool for Covid-19
- Building a 3D interactive data visualization tool with fusion of metaphors to identify hidden patterns inside a dataset. Taking COVID-19 dataset as a case study
  - React, Three.Js, D3.js ,WebGL, Google Maps API)

99x   june 2020 - May 2022

Research and development E-commerce

- Objective:
  - Research about design patterns when developing an e-commerce database using MongoDb and Redis.
  - Implement Master data-lookup pattern, Cache-aside pattern and write behind pattern using nodeJs.
  - Analyze pros and cons of each pattern and select most suitable pattern for each use case.
- Responsibilities:
  - implement customer and vendor registration on both ReactJS frontend and NodeJS backend
  - Building the correct server endpoints in node.js and integrating them with Redis and front end .
  - Creating the CI/CD pipeline in Heroku
- **Technologies: Node.js,React.js, Material UI, Redux and MongoDB,Redis**

99x Device Booking System

- Objective:
  - Integrate React frontend to 99x Device booking system
- Responsibilities:
  - Developing UIs for registration of devices using react
  - Developing APIs for registration of devices
  - Hosting the APIs and front end on Azure
  - Integrate pipelines for Azure deployment
- Key deliverables:
  - Functional device registration floor in the booking system
  - APIs for seamless integration with other systems
  - Efficient deployment pipelines for rapid updates and maintenance
- **Technologies: Node.js,React.js, React Bootstrap, Azure, MySql**

Rambase Cloud ERP

- Objective:
  - Develop new features for Project Rambase, a Cloud ERP solution
- Responsibilities:
  - Adding new features for the existing Rambase ERP
- deliverables:
  - Innovative new features to enhance the ERP solution
  - High-quality code for efficient and reliable performance