

Kasun Vimukthi

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HIGHLIGHTS

- **Working Student** looking for a part-time working opportunity (20 hours per week).
- **Master of Informatics** student at the **Technical University of Munich** (Begin in April 2023).
- Experienced in **React Development for 3 years** and **MERN Stack Development for 2 years**.
- Interested in **Web Development** and research focusing on **Machine Learning & Big Data**.

EDUCATION

- **Technical University of Munich** Munich, Germany
Master of Informatics (Computer Science) April 2023 - April 2025
- **University of Peradeniya** Peradeniya, Sri Lanka
Bachelor of the Science of Engineering - Computer Engineering November 2015 - July 2020
Department of Computer Engineering
Faculty of Engineering
University of Peradeniya, Sri Lanka
GPA of **3.50** out of 4.00
Univeristy of Peradeniya is an accredited degree program by the Washington Accord through the Institution of Engineers, Sri Lanka (IESL)
- **Ananda College** Colombo, Sri Lanka
GCE Advanced Level (Sri Lanka) 2014 August
Physical Science Stream
Mathematics: A, Chemistry: A, Physics: B
Among the top 5% candidates from the whole island

SKILLS SUMMARY

- **Languages/Frameworks:** JavaScript, React, Redux, NodeJS, Ember, TypeScript, MicroServices, Gatsby, HTML, CSS, Material UI, Ant Design, Bootstrap, Reactstrap, Tradingview, echarts, Recharts, ReactFlow, C, Python, R, Perl, GIT, MongoDB, MySQL, MSSQL, OracleDB, Websocket/AJAX/REST
- **Platforms and Tools:** Linux, Docker, AWS, NGINX, Web, Windows, Firebase, Google Analytic, Cordova
- **Languages :** English (Fluent), German(Basic)

PROFESSIONAL EXPERIENCE (3 Years +)

- **XGen Group (Pvt) Ltd** Feb 2022 - Feb 2023
Senior Software Engineer (Full-time)
 - **Framework Level Designing:** A web application for fully automating loan origination systems for Banks in both Australia and Sri Lanka. I have designed back-end core modules, integrated those modules to work as a single service unit, and introduced proper life cycles for the Node Server.
 - **Workflow Engine:** Workflow Engine is a service that manages loan application status (different stages of the loan application) and determines what to do with the application based on applicant history records and loan application configurations. I introduced a simple method of creating these interconnections using a drag-and-drop software tool to draw the workflow configuration in a dynamic way using ReactFlow.
 - **Tech: NodeJS, ReactJS, HookState, ReactFlow, Typescript, Docker, OracleDB, Material UI, HTML, CSS, Docker, AWS**
- **DirectFN** Aug 2020 - Feb 2022
Software Engineer (Full-time)
 - **Content Management System (CMS):** Designed and Developed Components of CMS using React and Ember, both real-time and non-real-time components. Introduced some performance improvements in real-time components
 - **Boursa Kuwait Website, Mobile and Tab Applications:** In charge of Boursa Kuwait Mobile and Tab developments and Website real-time components. Push Notification for price alert of the trading application added using Firebase

- **Process and Deliveries:** Contributed to product/process documentation adhering to CMMI level 3 standards and deliveries handle for Boursa Kuwait Web, Mobile, Tab applications, and Redmed Securities in Morocco. All these websites and applications are in production now and used by thousands of users daily.
 - **Tech: Javascript, React, Redux, NodeJS, EmberJS, Typescript, Microservices, Gatsby, MSSQL, MongoDB, HTML, CSS, SCSS, Reactstrap, Firebase, Google Analytic, Cordova, NGINX**
- **Trainee Software Engineer (full-time)** Feb 2019 - Aug 2019
 - **Profile Service for Trade Applications:** Implemented a service called "profile service" for trading applications from start to end which tracks the user preference. (settings, states, customer watch lists etc.) From the design to the final product implemented by myself adhering to the CMMI (Capability Maturity Model Integration) standers. With this new enhancement, users can invoke their preferences across multiple devices, increasing user satisfaction with the apps.
 - **Tech: Pure Javascript, EmberJS, CSS, SCSS, HTML**
- **FNOTrader** Remote
 - **Software Engineer (Part-time)** Oct 2021 - Feb 2022
 - **Futures and Options Trade Website:** FNOTRADER is a trading platform and Stock market data analysis platform for Indian future and options trading markets. I developed this website from the scratch using React and Redux. By introducing proper component decoupling and enhancements, I was able to support real-time updates of less than 1 ms data frequencies.
 - **Tech: Javascript, React, Redux, HTML, CSS, SCSS, Material UI, Ant Design, Web socket, Tradingview Charts, echarts, Recharts**
- **SIAXE Technology** Remote
 - **Software Engineer (Part-time)** June 2021 - July 2021
 - **Hotel Management system Website and client Website:** Developed an administrative and client application for a hotel management system for an Australian client to manage online ordering and dine-in customers in a restaurant. Implemented order handling and managing part in the client-side of both applications using React and Redux.
 - **Tech: Javascript, React, Redux, HTML, CSS, SCSS, Material UI, Ant Design**

PUBLICATIONS

- **Data driven method for binning Metagenomic sequences(Final Year Research):** This research is about binning in Metagenomic sequences using the results of different binning methods in order to enhance the performance of binning by increasing number of assignments. Proposed method improved binning 2 times compared with initial binning method. This research is selected for **final four** in **ESCaPe 2020** conference and **published in MERCON 2020** 📄 🔗
- **Medium Publications:** Publications about React performance mechanisms and state-full Gatsby with Redux

ACHIEVEMENTS

- **Big Data and Hadoop:** Won the First place in Introduction to Big Data and Hadoop course organized by Bangladesh Research and Education Network (BdREN) in 2020 and entitled for a price (among 500+ participants from Bangladesh, Bhutan, Nepal, Philippines, Sri Lanka and Thailand)
- **Hackathons:** Participate ACES Hackathon in year of 2017, 2018 and 4iR Hackathon in 2018 with Projects Chat n Code, UNIQuE and Smart meter reader
- **Machine Learning Workshop:** Successfully Completed Workshop on Machine Learning conducted by Postgraduate Institute of Science University of Peradeniya
- **CIMA:** Certificate level of chartered Institute of Management Accountants (CIMA) Degree
- **IESL:** Associate Member of the Institute of Engineers (IESL) in Sri Lanka

EXTRACURRICULAR ACTIVITIES

- **University Colors:** University colors in year 2018 and team member of the volleyball team University of Peradeniya
- **Project Holder of Arunella Program:** Humanitarian program organized by Engineering Student's Union at Kantale Center, Trincomalee
- **Leadership and Unions:** Participated the Leadership Program Organized by the Lions Clubs District 306 C2 in 2009 and science union member of Ananda college, Colombo in 2012

REFERENCES

Prof. Roshan G. Ragel

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MIEEE-CS (USA)

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