Kasun Vimukthi

in linkedin.com/in/kasunvimu

 github.com/kasunvimu8

 66/A/1, Brahmanagama, Pannipitiya, Sri Lanka (10200)

kasunvimu8@gmail.com ✉

+94-713849667 📞

kasunvimu8 Ⓢ

EDUCATION

Technical University of Munich · Munich, Germany
Prospective Student in Master of Informatics (Computer Science) · *April 2023 - April 2025*

The University is the first ranked university in Germany while the master program is one of the top ten computer science programs in the world according to the Times Higher Education Ranking

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
Combined Mathematics: A, Chemistry: A, Physics: B
*Among the top **5%** candidates from the whole island*

SKILLS SUMMARY

- **Languages/Frameworks**: JavaScript,React, Redux, NodeJS, Ember, MicroServices, TypeScript, SQL, MongoDB, HTML, CSS, Material UI, Ant Design, Bootstap/Reactstrap, Tradingview, echarts, Recharts, Python, R, Perl etc.
- **Tools**: Docker, GIT, MongoDB, MySQL, MSSQL, OracleDB, Websocket/AJAX/REST
- **Platforms**: Linux, Web, Windows, Firebase, Google Analytic, Cordova
- **Soft Skills**: Leadership, Event Management, Creativity, Logical Reasoning, Designing, Time Management

EXPERIENCE *(2.5 Years +)*

XGen Group (Pvt) Ltd
Senior Software Engineer (Full-time) · *Feb 2022 - Present*

- **Framework Level Designing**: A web application for full automating loan origination systems in Banks. (both Australia and Sri Lanka). Designed back-end modules and introduced proper life cycle structure for NodeJs back-end
- **Workflow Engine Implementation**: Workflow Engine is a service which handles loan application status and decide what to do with the application according to the application environment and the workflow status
- **Tech**: **NodeJS, Javascript, React, HookState, Typescript, Docker, OracleDB, Material UI**

DirectFN
Software Engineer (Full-time) · *Aug 2020 - Feb 2022*

- **Content Management System (CMS)**: Designed and Developed Components of Content Management System's(CMS) Web, 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
- **Tech**: **Javascript, React, Redux, NodeJS, EmberJS, Microservices, Typescript, MSSQL, MongoDB, HTML, CSS, SCSS, Reactrapt, Firebase, Google Analytic, Cordova**

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.

- ○ **Tech**: **Pure Javascript, EmberJS, CSS, SCSS, HTML**

- **FNOTrader** — Remote
  Software Engineer (Part-time) — *Oct 2021 - Present*

  - ○ **Futures and Options Trade Website**: Responsive Website which is a trading platform and Stock market data analysis platform for Indian future and options markets. Various charts and comparisons were introduced to get better idea about the markets and the trends
  - ○ **Real Time Update**: All the charts and tables are updating real time (loading time and updating time approximately in milliseconds
  - ○ **Tech**: **Javascript, React, Redux, HTML, CSS, SCSS, Material UI, Ant Design, Web socket, Tradingview Charts, echarts, Recharts etc.**

- **SIAXE Technology** — Remote
  Software Engineer (Part-time) — *June 2021 - July 2021*

  - ○ **Hotel Management system Website and client Website**: Development Hotel management system for an Australian client including administrative application and client application. Implemented order handling and managing part in the client-side of the both applications
  - ○ **Tech**: **Javascript, React, Redux, HTML, CSS, SCSS, Material UI, Ant Design**

PROJECTS

- **UNIQuE (Virtual ID Generate platform)**: UNIQuE is virtual identity identity generating platform. With this product, we expect to get rid from all the paperwork that is taken place wherever registration exists. Smart Id comes as a QR code which is available in the application. I contribute in developing the front-end. Tech : **Node.js, HTML, JavaScript, jQuery, CSS etc.** ⍉

- **Air and Sound Quality Monitoring System**: This system monitor, forecast and reduce air pollution in a city through actionable data. The data will be received from gas sensors and the sound sensors. This system helps to get the city awareness details. I contribute in developing the embedded system and developing the front-end. Tech : **Node.js, HTML, JavaScript, jQuery, MongoDB, mLabs, Heroku, Arduino, GSM etc.** ⍉

- **Travel Blog Web App**: This is a website which helps for travellers to get details about Travel destinations about Sri Lanka. Tech: **React.js Redux, NodeJS, Express.js, MongoDB, JWT, OAuth etc.** ⍉

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 charted 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
BSc Eng.(Peradeniya), PhD (UNSW), SMIEEE (USA),
MIEEE-CS (USA)
Professor,
Department of Computer Engineering,
University of Peradeniya,
Peradeniya, Sri Lanka.
✉ roshanr@pdn.ac.lk

Dr. Damayanthi Hearth
BSc Eng.(Peradeniya), PhD (Melbourne)
Senior Lecturer,
Department of Computer Engineering,
University of Peradeniya,
Peradeniya, Sri Lanka.
✉ damayanthiherath@eng.pdn.ac.lk