

# Kasun Vimukthi

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## HIGHLIGHTS

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- **Master of Informatics** student at the **Technical University of Munich**
- Experienced in **Front-end / Full-stack Development** about 4 years. (3 years full time)
- Open to expand my technology stack

## EDUCATION

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- **Technical University of Munich** Munich, Germany  
*Master of Informatics* April 2023 - present
- **University of Peradeniya** Peradeniya, Sri Lanka  
*Bachelor of the Science of Engineering - Computer Engineering* November 2015 - July 2020

## SKILLS SUMMARY

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- **Languages/Frameworks:** Typescript, ReactJS, NextJS, Redux, NodeJS, GraphQL, MicroServices, Gatsby, HTML, CSS, Tailwind, ReactFlow, GIT, MongoDB, SQL, Websocket/AJAX/REST, GrpahQL
- **Platforms and Tools:** Linux, Docker, AWS, NGINX, Web, Windows, Firebase, Google Analytic, Cordova
- **Languages :** English (Fluent), German(Basic)

## PROFESSIONAL EXPERIENCE *(4 Years +)*



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- **IDP - Student Housing Platform - TH Rosenheim in Burghausen - Germany** March 2024 - Present  
*Full Stack Developer/Engineer (TUM Chair for Technology and Innovation Management)*
  - **Solution design, development and deployment:** The proposed software application for Burghausen's Rosenheim Technical University will streamline student housing allocation by enabling students to browse, select, and reserve accommodations based on preferences. This user-friendly system ensures efficient and flexible housing assignments, enhancing both student experience and administrative effectiveness. I am responsible for all aspects of the project, including its design, implementation, and deployment.
  - **Tech: Typescript, NextJS, ReactJS, Mongoddb, Tailwind, HTML, CSS**
- **BSH Hausgeräte GmbH - Germany** Oct 2023 - Present  
*Software Support Engineer (Working Student)*
  - **Sherpa Project Support:** In the Sherpa project, I provided support for a variety of topics including GraphQL, Contentstack, Datadog, SEO optimization, and evaluations.
  - **Tech: Typescript, NextJS, Javascript, GraphQL, Hive, Datadog, ContentStack, HTML, CSS**
- **Maltego - Germany** Oct 2023 - Feb 2024  
*Software Engineer (JS Praktikum)*
  - **Data Visualization:** In the master practical course, to facilitate prompt and appropriate response by Maltego investigators in the wake of crimes, my four student colleagues and I created a web application for the existing software. Police and crime investigation agencies were the application's end users.
  - **Tech: Typescript, ReactJS, Redux, ReactFlow, Aply, Docker, Tailwind CSS, HTML, CSS**
- **XGen Group (Pvt) Ltd - Sri Lanka/Australia** Feb 2022 - Feb 2023  
*Senior Software Engineer (Full-time)*
  - **Workflow Engine:** The Workflow Engine is a service that oversees the various stages of a loan application process. It evaluates the application by considering the applicant's history and specific loan configurations. To facilitate the creation of these workflows, I implemented a user-friendly, drag-and-drop interface using ReactFlow, which allows users to dynamically configure the process.
  - **Tech: NodeJS, ReactJS, HookState, ReactFlow, Typescript, Docker, OracleDB, Material UI, HTML, CSS, AWS**

- DirectFN - Sri Lanka** *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
    - Bursa Kuwait Website, Mobile and Tab Applications:** In charge of Bursa 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 Bursa 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 - India** *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 - Australia** *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

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- 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

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- 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

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- 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