Kasun Thennakoon

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EDUCATION

UNIVERSITY OF MORATUWA
BSc(Honors) in Information Technology
GPA: 3.36 / 4.2
Oct 2011-Jan 2016
SriLanka

ROYAL COLLEGE
Physical Science, Mathematics
2002-2009
Colombo , SriLanka

LINKS

LinkedIn:// **tmkasun**
GitHub:// **tmkasun**
Twitter:// **@tmkasun**
Facebook:// **tmkasun**

COURSEWORK

GRADUATE
Semantic Web and Ontological Modelling
Human Computer Interaction
High Performance Computing
Machine Learning & Pattern Recognition
Theory of Programming Languages
Natural Language Processing
Theory of Compilers
Complex Systems & Agent Technology
Automata Theory

SKILLS

PROGRAMMING
Languages:
Javscript • Typescript • Python • HTML5 •
CSS • Java • C++ • PHP
Front-end:
ReactJS • NextJS • JSS • Styled
Components • Storybook • Webpack •
HTTP/2 • Progressive Web Apps
Back-end:
ExpressJS • NestJS • Python Flask •
Python Django • Firebase • AWS EC2
API Management:
RESTful APIs • OAuth2 • GraphQL • Open
API / Swagger • Async API • WSO2 API
Manager (Core developer)
Testing & Code Quality:
Jest • Cypress • React Testing Library •
Enzyme • Playwright • ESLint
Application Security:
• OpenID Connect • JWT • CORS

EXPERIENCE

FRONT-END ENGINEER | Amazon Web Services
6th March 2023 - 26th April 2023 | Toronto, Canada (Laid off due to company restructuring)
- Worked as a frontend engineer of the SNS (Simple Notification Service) team.

TECHNICAL LEAD | WSO2
1st November 2021 - 10th March 2023 | Colombo, SriLanka

- Lead the architecture and development of the Choreo SPA portal.
- Researched and developed an OpenAPI based auto mocking service for front-end test automation.
- Improved the SPA authentication architecture using OAuth PKCE extension flow.
- Designed & Developed a new React state management architecture using context and reducer hooks

ASSOCIATE TECHNICAL LEAD | WSO2
1st July 2019 - 31st October 2021 | Colombo, SriLanka

- Improved SPA performance by integrating lazy loading, strong compression, memoization.
- Implemented the end-to-end (E2E) testing architecture using Cypress.
- Implemented a message-passing mechanism using RxJS.
- Developed a React(Typescript) SDK to communicate with product REST APIs, enabling efficient data retrieval and manipulation.

SENIOR SOFTWARE ENGINEER | WSO2
1st February 2018 - 30th June 2019 | Colombo, SriLanka

- Designed and developed an Authentication and Authorization framework for ReactJS web portals based on OAuth 2.0 Authorization code grant flow.
- Write developer-level product documentation and help to enhance the documentation for the product documentation team.
- Provided on-site consultation for the deployment, configuration, and customization of the API Manager product, addressing the customer's API Management and Identity and Access Management requirements.
- Developed an Apache JAX-RS interceptor to provide authentication functionality for REST APIs

SOFTWARE ENGINEER | WSO2
1st January 2016 - 31st January 2018 | Colombo, SriLanka

- Design and develop workflow support for Enterprise Store in WSO2 Governance Registry.
- Design and develop a new Single Page Web Application for the API Manager 3.0 product using the ReactJS library ecosystem.
- Collect and document the system requirements for WSO2 API Manager 3.0 product.
- Implemented configuration and setup of a ReactJS-based Single Page Application (SPA) from scratch, utilizing essential tools such as Webpack, Babel, and ESLint.

OPEN-SOURCE CONTRIBUTIONS

GOOGLE SUMMER OF CODE | Mentor
2017 | Remote
Environment Support for API Manager