MANDUUL ENKHEE

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FULL STACK DEVELOPER

Full Stack Developer with 3 years of experience developing various web applications. Continuously enhances performance and code quality. Skilled in technologies such as JavaScript, React and NodeJS.

Languages: JavaScript, Java, Python, PHP, C#, C++
Web Services: Apache, Nginx, AWS, Node
Frameworks: React, Angular, Express
Databases: MySQL, MongoDB, Firebase
Tools: Git, Yarn, Postman, NPM
Platforms: Windows, Ubuntu, MacOS
Machine Learning: Keras, Tensorflow, Sklearn

PROFESSIONAL EXPERIENCE

DENTSU DATA ARTISTIC MONGOL, Ulaanbaatar, Mongolia • 2018-2019
Software company specializing in Artificial Intelligence.

Software Developer (2018 - 2019)
Performed machine learning research and engineered Artificial Intelligence based web applications.
- Integrated software components and 3rd-party programs (Slack, Facebook, Twitter api).
- Reduced execution time of CNN models that rate videos by 33% (15 to 5 seconds for 3 minute videos) by taking advantage of pre-trained image clustering models to remove identical images in Python.
- Introduced Redux for global state management for React projects.
- Optimized data storage solution by integrating with Amazon S3 buckets.
- Established Context API to reduce complexity of using React Redux.
- Unit testing, Integration testing.(Jest, Mocha)

Technologies Used: *React.js, Node.js, JavaScript (ES6), Python, Facebook API, Slack API, NGINX, GIT, Ubuntu Server, RESTful API with JSON.*

ABLESOFT LLC, Ulaanbaatar, Mongolia • 2016-2018
Technology company specializing in integrated systems.

Software Developer
Responsible for maintenance and development of core modules.
- Led development of a new core module which was responsible for creating an integrated database of children who needs special support.
- Devised highly interactive map which shows number of male and female children corresponding to selected location by customizing AmCharts and creating suitable API.
- Improved loading performance 80% by restructuring the heavy server side rendering modules by client side rendering using React.
- Worked closely with the design team and delivered an efficient user interface.
- Upgraded time clock app by adding offline mode that stores data on local machine using SQLite database.
- Implemented multi-threading to allow the time clock app to work with multiple time-card machines.

Technologies Used: *PHP, MySQL, jQuery, Ajax, React, .Net ,Git, CSS3.*

FREELANCE PROJECTS

Rotaract Mongolia Website (2019): Created website for non-profit organization.

There are 15 rotaract clubs and over 1000 members are in Mongolia that do volunteer work. This website helps them to integrate their data (members,projects) and keep track of what they did in the past. This website is built on React and NodeJS with SQL database. Users can either upload xlsx format files or fill the information form to populate the database. I used Sheetjs's npm version "**xlsx**" library to work with xlsx format files. For the security on the server side I created user authentication middleware using JSON web token. On the client side I implemented React Redux for user status and stored JSON web token in cookie for user state. Incorporated Material-UI for reusable components.

Technologies Used: *React.js, Node.js, MySQL, Material UI. (*http://rotaractmongolia.org/*)*

Customer Management System (2018): Developed a desktop application to track customer information and record check-in time using a finger-print scanner. ***Technologies Used:*** *C# (.NET), SQLite.*

EDUCATION

Master of Science in Computer Science
Maharishi University of Management, Fairfield, Iowa
(In progress via distance education; expected completion April 2022)
CS435 Algorithm, CS472 Web Programming, CS544 Enterprise Architecture, CS572 Modern Web Application

Bachelor of Science in Software Engineering
International University of Ulaanbaatar, Ulaanbaatar, Mongolia