# TSERENPUNTSAG "JIMMY" ZORIGT

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## Software Engineer

Software Engineer with a strong foundation in back-end development and a passion for solving complex technical challenges. Proficient in a range of programming languages, libraries, and frameworks including Golang, JavaScript, ReactJS, and Express.js. With 2 year of hands-on experience in software engineering. Seeking opportunities to leverage my skills and innovation to drive impactful solutions in a collaborative team environment.

## Skills

**Languages:** JavaScript, Typescript, Golang
**SDLC:** Agile
**Libraries:** ReactJS, React Native, Mongoose, Socket.IO, Redux
**WEB:** RESTful API
**Frameworks:** Express.js, Go Fiber
**Databases:** MySQL, PostgreSQL, MongoDB,
**Tools:** Docker, Postman, PM2, Nginx, Kafka
**Cloud:** AWS, AWS Lambda, EC2, S3, CloudFormation, ECS, EKS, DynamoDB, Aurora, SQS, SNS

## PROFESSIONAL EXPERIENCE

### Back End Developer · ZAMDAA LLC, Ulaanbaatar, Mongolia · 2021-2022

Controls Panel for electrical scooter
- Implemented real-time telemetry data transmission from Iot Device to the server on AWS EC2 using Node.js. Developed geofencing mechanisms for controlling scooter motors based on authorized zones.
- Implemented payment method successfully adapted the payment processing system for corporate bulk transactions.
- Used Serverless method to implement the dashboards API.

**Technologies:** JavaScript, Node.js, MongoDB, AWS, AWS Lambda, EC2, Docker, CloudFormation, SQS

An online platform connecting car renters with car rental businesses
- Normalized previous database overhauled the relations of the tables, indexing search fields resulting 20% faster query time and eliminated the fields with overlapping responsibility on SQL(PostgreSQL).
- Developer a RestAPI and refactoring. Integrated additional functionalities, including a robust mailing service powered by SendGrid, and seamlessly incorporated a third-party payment system, QPAY.
- Implementing security features for the sensitive information's to protect users privacy by generating short lived JWT token to retrieve the users detail. (Information's such as users driver's license cars, insurance details previously it was just an URL for providing picture it had no security measures).

**Technologies:** Golang, GoFiber, JavaScript, React.js, PostgreSQL, RestAPI, AWS, EC2, ECS, ASG Nginx, Docker, Unit testing

### Software Developer · Odo EcoSystem, Ulaanbaatar, Mongolia · 2020 – 2021

Provides web marketing, web system development, and smartphone application development services.
- Contributed in the development of a streamlined POS system enhancing cashier efficiency and customer service through collaborative contributions.
- Successfully implemented an image compression feature for user uploads significantly reducing data transfer times and enhancing the overall user experience.
- Contributed to the development of a robust API for the POS systems enabling seamless retrieval of data and efficient processing of sales taxes thereby ensuring accurate financial transaction compliance.

**Technologies:** JavaScript, React.js, React Native

## PERSONAL PROJECTS

### Video Call Chatting application

Real time video calling and video chatting application.
- Developed a robust back-end service (Express.js) using Socket.io, acting as an intermediary layer between the front-end and WebRTC for establishing seamless Peer-to-Peer connections.
- Implemented WebRTC technology, enabling users to engage in high-quality video and voice calls, transforming the application into an interactive real-time communication platform.
- Crafted an intuitive front-end service using Material-UI and HTML SASS, offering users a user-friendly interface to initiate calls and engage in real-time chats.

**Technologies:** JavaScript, React, Nodejs, Express.js, MongoDB

## EDUCATION

### Master of Science in Computer Science

Maharishi International University – Fairfield, Iowa *(in progress via : Distance Education)*

### Bachelor of Science in Software Engineering

(2022) School of Information & Telecommunication Technology – Ulaanbaatar, Mongolia.