

Fullstack Software Engineer with 3 years of professional experience in Node.js (React.JS, Next.JS, Nest.JS), TypeScript, Python and SQL, as well as academic background in Machine Learning and Statistics.

Work Experience

Software Engineer	Andorean LLC Ulaanbaatar, Mongolia	May 2022-Present
<ul style="list-style-type: none">Built a general-purpose, scalable rule engine that executes user-defined JavaScript functions on dynamic JSON states, which greatly simplifies operations by decoupling complex business logic from other servicesPrototyped 3D machine-guidance applications using Unreal Engine, for excavator-mounted tablets, improving operator productivity and reducing human-error during mining operationsDesigned and implemented REST API for generating and serving 2D map-tileable satellite imagesTechnology: TypeScript, Python, gRPC, Next.JS, Nest.JS, Docker, Kafka, Unreal Engine, PostgreSQL		
Software Engineer	DupliTrade MN LLC Ulaanbaatar, Mongolia	May 2021-Apr 2022
<ul style="list-style-type: none">Co-created FXFunds, an investment platform catering to retail forex and commodity tradersDesigned and implemented backend services in Node.js to monitor user trading activity in real-time, allowing automated risk management policiesBuilt front-end website for client account management and registrationTechnology: Node.JS, Express.JS, PostgreSQL, DigitalOcean		
Data Engineer	TomYo EdTech Ulaanbaatar, Mongolia	Oct 2020-Apr 2021
<ul style="list-style-type: none">Improved user retention by building in-house educational video recommendation system using Python, machine learning toolkits such as Scikit-Learn, and AWSConducted user segmentation analysis to identify key user clusters based on video interactionsTechnology: Python, Scikit-Learn, SQL, AWS		
Data Engineer Intern	TomYo EdTech Ulaanbaatar, Mongolia	Summer 2020
<ul style="list-style-type: none">Established backend system for integrating mobile app with CRM platforms such as Customer.ioEnhanced analytics capabilities by integrating A/B testing enabled push notifications into mobile appTechnology: Node.JS, React Native, AWS		

Education

- B.S.E Computer Science**, Princeton University, USA. **2017-2021**
 - Graduated with High Honours (3.8/4.0 GPA)
 - Minor in Statistics and Machine Learning, with independent project in Computer Vision
 - Teaching Assistant for Algorithms & Data Structures, and Discrete Mathematics courses

Projects

- Portfolio (HTML/CSS/JS)** - Simple project portfolio page ([link](#))
- moBTC (GoLang)** - Look at Bitcoin transactions, as they happen (discontinued - [link to repo](#))
- AirUB (Flutter)** - Real-time air quality information from Ulaanbaatar, Mongolia (discontinued - [link to repo](#))