

# Yesun-Erdene Odmunkh

## PROFESSIONAL SUMMARY

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Experienced Software Engineer with 8+ years of experience as a full-stack developer with a strong backend focus. Skilled in building scalable web applications and RESTful APIs using Ruby on Rails, Python, Node.js, MySQL, and MongoDB. Experience in system performance optimization and backend architecture design. Recently worked on AI/ML and LLM evaluation, focusing on code-related analysis and model validation.

## WORK EXPERIENCE

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### A leading global AI company (via Turing)

Nov 2022 – Dec 2025

*Python Developer — AI/LLM Evaluation*

*Remote*

- Contributed to **LLM evaluation workflows** with a focus on **code generation accuracy** and model reliability
- Performed **data annotation**, **response validation**, and **red teaming** to improve model accuracy and safety
- Evaluated and validated **code outputs** and **agentic function calling workflows**
- Identified **edge cases** and supported **failure analysis** to improve model performance

### Unimedia Solution LLC

June 2017 – Nov 2022

*Senior Software Engineer*

*Ulaanbaatar, Mongolia*

- Led a team of **3 full-stack developers** working on the **DataInput subsystem** of the **CrowdJob platform**, a large-scale crowdsourcing system with **38 sub-platforms** and over **684,000 active users**
- Designed and developed **scalable backend systems** and **RESTful APIs** using **Ruby on Rails, Node.js, and MySQL**, and delivered **React.js frontend components** for end-to-end features
- Optimized system performance by **2x** through **SQL optimization**, query tuning, indexing, testing, and debugging, significantly reducing response latency in high-volume workflows and improving system responsiveness, resulting in increased user engagement and retention
- Redesigned architecture from **MySQL-only** to a **hybrid MySQL + MongoDB** setup, reducing database bottlenecks and improving scalability for data-intensive operations
- Deployed and managed a **3-node MongoDB replica set** on **AWS EC2** and maintained **cloud infrastructure** using DevOps practices
- Designed and owned a **web-based image cropping and data labeling tool** using **Konva.js** and **Ruby on Rails**, supporting data input and microtask workflows
- Automated **data processing pipelines** by developing **Python-based scheduled jobs**, improving operational efficiency and enabling reliable **data synchronization between MongoDB and MySQL**
- Created **technical documentation**, including **API docs, MongoDB architecture guides**, and **flowcharts** for the DataInput subsystem; improved onboarding and team efficiency

### Nomch IT Consulting

Dec 2016 – June 2017

*Developer*

*Ulaanbaatar, Mongolia*

- Developed a **web-based high school information system** using **Laravel (PHP), React.js, and MySQL**
- Contributed across the **full development lifecycle**, delivering the system up to the **beta version**
- Built **backend APIs** with Laravel and **frontend modules** with React.js for grade and academic record management

## EDUCATION

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### National University of Mongolia

June 2017

*Bachelor of Computer Science — Software Engineering — GPA: 3.6*

*Ulaanbaatar, Mongolia*

## TECHNICAL SKILLS

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**Languages:** JavaScript, Python, SQL, Ruby, C++

**Developer Tools:** AWS, Postman, GitLab, GitHub

**Frameworks:** Ruby on Rails, React.js, Node.js, Laravel, Konva.js

**Databases:** MySQL, MongoDB, Redis