# UGUUMUR OLDOKH (GRAYSON)

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## Full-stack software Engineer (Frontend Focus)

- **Languages:** JavaScript (ES6+), TypeScript, Python, Java
- *Frontend & UI*: HTML, CSS, Tailwind CSS, Material UI, Redux, Zustand, Responsive Design, Webpack, Axios, React (Hooks, Query), Next.js (SSR/SSG/SPA), GraphQL, Angular.js
- *Backend & Database*: Node.js, Express.js, PostgreSQL, MySQL, MongoDB, MSSQL, AWS, RabbitMQ, Kafka
- *DevOps & Tools*: Docker, Kubernetes, VS Code, Figma, Git, GitHub, Bitbucket

## PROFESSIONAL EXPERIENCE

**Nest Education IT School** | Edtech, Educational Technology
*Full-stack developer* | 01/2022 – 10/2023

- Streamlined the **ERP** wallet system by implementing **WebSocket** for real-time payment status updates to reduce **API** calls and improve transaction efficiency.
- Integrated **QPay** and **SocialPay** solutions using **Node.js**, **Express.js**, and **Next.js,** enabling QR code transactions and expanding user payment options across mobile and web platforms.
- Built an e-library system with **React.js**, **Tailwind CSS**, and **TanStack**, leveraging **Test-Driven Development (TDD)** to enhance functionality and maintainability
- Initiated test coverage in the Wallet **ERP** system using **Jest** and **React Testing Library**, achieving 98% coverage to boost code reliability and stability.
- Mentored junior engineers, enhancing skill development, and increasing project completion rates.

**Oyu Tolgoi** |Mining & Natural Resources
*Software Developer* | 04/2019 – 12/2021

- Developed a **real-time** tracking system for personnel cages using **React.js** and **Material UI**, increasing underground operations efficiency.
- Enhanced underground blasting acknowledgment system with **React.js,** utilizing **Waterfall** methodology to ensure safe, reliable operations.
- Migrated code to **MuleSoft (Java)**, achieving cost savings recognized by headquarters.

**Dentsu Data Artist Mongol** | Marketing, Data Science and AI
*Software Engineer* | 03/2018 – 04/2019

- Automated web crawling for 300+ websites with **React**, **Electron**, **PostgreSQL**, reducing manual workload.
- Developed a predictive model for a project using **Node.js**, **TensorFlow.js**, and **Chromium**, achieving over 90% accuracy in fake URL detection, which reduced time spent on invalid URLs and boosted productivity.
- Learned **Perl** programming language to implement a new feature in legacy code, meeting head company standards and ensuring stakeholder satisfaction and trust.

**Interactive BI** | Fintech
*Software Engineer* | 01/2015 – 02/2018

- Developed a financial program for a non-bank organization using **Java EE** for the **backend** and **MSSQL/.NET** for the **front-end**, implementing monthly interest and loss calculations to improve financial accuracy.
- Implemented detailed financial reports for loan analysis, using **Java EE** for **back-end** data processing and **.NET DevExpress** for **front-end** interfaces, improving reporting accuracy and usability.
- Created a profit calculation module in a POS system using FIFO method, streamlining workflows and enhancing financial reporting accuracy.

## EDUCATION

**M.S. in Computer Science** (in progress, expected 06/2026)
Maharishi International University, Fairfield, Iowa

**B.S. in Computer Science**
Mongolian University of Science and Technology

### CERTIFICATION

- AWS Cloud Practitioner (03/2024)

### AWARDS & HONOR

- *OTProud Recognition Award, Oyu Tolgoi (2021)*
- *Employee of the Month (3x), Oyu Tolgoi*
- *Winner, AI Pitch Competition, Oyu Tolgoi (2019)*