

ERDENE-UCH BYAMBABAYAR

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🔗 <https://ochko-portfolio.vercel.app/>

SKILLS

HTML • CSS • JavaScript • TypeScript • React • Next.js • Chakra UI • Tailwind CSS • Material-UI • Redux • Node.js • Express • PHP • Python • Flutter • Firebase • Firestore • MySQL • PostgreSQL • MongoDB • REST API • GraphQL • Docker • Linux • AWS • GCP • Selenium • Cybersecurity • OWASP • Git • CI/CD • Agile • Redis • WebSockets • Serverless • Penetration Testing • Performance Optimization

WORK EXPERIENCE

TEQSTREAM LLC

Back-end engineer

August 2022 - April 2023

- Optimized big data processing, reducing execution time from 30 minutes to 5 minutes (83% improvement).
- Migrated a legacy MySQL procedure to Node.js, improving code readability by 70% and simplifying debugging.
- Independently developed a documentation platform, leading to a 20% increase in company revenue.
- Identified and fixed security vulnerabilities (XSS, SQL Injection), strengthening system security.
- Mentored interns and new hires, reviewed their code, and managed pull request approvals, ensuring high-quality contributions and faster onboarding.
- Developed mobile applications using Flutter, ensuring a smooth and responsive user experience.

Pentra Cyber Securities

Fullstack engineer (Hybrid)

April 2023 - 2023 December

- Developed a web scraping pipeline using Python & Selenium, extracting large-scale data efficiently.
- Built and deployed a serverless application using Next.js and Firebase, ensuring high scalability and seamless performance.
- Integrated scraped data into the platform, enhancing insights and usability.

UNREAD LLC

Fullstack engineer (Hybrid)

August 2023 - Present

- Developed a visually engaging news platform for young readers using Next.js & Tailwind CSS.
- Implemented Strapi as a CMS, creating custom APIs that accelerated development by 50%.
- Containerized legacy CakePHP code and resolved long-standing critical bugs (e.g., commenting, Google Analytics) despite the absence of GitHub access.

PROJECT

BULLP

January 2022 - August 2022

- Rebuilt and optimized a binary trading platform (PHP, Node.js, MySQL, Bootstrap), generating \$500+ in daily revenue.

AWARD

- VOLGACTF 2023 (International cybersecurity competition held in Russia): FINALIST
- HARUULZANGI 2022(Mongolian biggest cybersecurity competition): 2ND PLACE
- HackTheon Sejong 2024 (International cybersecurity competition held in South Korea): FINALIST
- BLACKHAT MEA 2024 (Biggest CTF competition with 250 teams held in SAUDI ARABIA): 37TH
- Hackday 2025 (International cybersecurity competition held in Paris): FINALIST