

Batuka Nasan

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WORK EXPERIENCE

Senior Software Engineer	Erxes Inc	Remote Dec 2019–Present
• Led Open-Source Development – Developed and launched a document generation feature for contracts and a time clock registration system to track employee work hours and automate salary reports, securing 5 enterprise customers. • Optimized Performance – Implemented Webpack code-splitting, reducing messenger bundle size from 4MB to 300KB (90% reduction). • Engineered Scalable Tools – Built a command-line tool for plugin creation, enabling contributors to develop 11+ new plugins, streamlining development. • Designed Key Features – Created X-Builder, a website generator with an intuitive editor, helping secure \$15,000 in funding. • Improved System Efficiency – Optimized GraphQL queries for Contacts and Inbox features, reducing response times by 30% across the system. • Enhanced Code Quality – Implemented Jest for unit testing and Cypress for end-to-end testing, increasing test coverage from 50% to 80% across backend and frontend.		

TECHNOLOGIES AND LANGUAGES

- **Languages:** JavaScript, TypeScript, Java, Go, Python, Prompt Engineering
- **Databases:** MongoDB, PostgreSQL, MySQL, Redis
- **Libraries & Frameworks:** React, Next.js, React Native, Node.js, GraphQL, Tailwind CSS
- **Other:** Azure, AWS, REST API, Azure OpenAI, ChatGPT, GitHub Copilot

EDUCATION

Master of Science (MS), Computer Science American National University, USA	2023–2025 GPA: 4.0/4.0
Bachelor of Engineering (B.E), Software Engineering National University of Mongolia	2017–2021 GPA: 3.4/4.0

PROJECTS

- **[MiniiUrl](#):** Built a Go-based URL shortener with PostgreSQL, React.js, and REST API. Deployed on Azure with custom domain support and analytics. See the [source on GitHub](#).
- **[Nomad Cycling Club Website](#):** Developed a Next.js and Tailwind CSS website for a cycling club. Hosted on Azure. See the [source on GitHub](#).
- **[Nair](#): Karaoke App** – Built with Next.js, Go, GraphQL, and MySQL. Deployed on Azure Web App for seamless performance and scalability.
- **Basketball Court Booking App:** Created a React Native app for booking basketball courts. Used GraphQL, Node.js, and MongoDB for real-time reservations.