

# Nasanjargal Bideriya

641-819-1618 | [nbinderiyaa@gmail.com](mailto:nbinderiyaa@gmail.com) | [www.linkedin.com/in/nasanjargal-b](http://www.linkedin.com/in/nasanjargal-b) | [www.nasanjargal.com](http://www.nasanjargal.com)

## Software Engineer

Software Engineer with 6 years of experience designing scalable web applications and improving performance across both client-side and server-side systems. Proficient in modern frameworks and agile methodologies, with a track record of reducing load times, enhancing user engagement, and optimizing system reliability.

## SKILLS

---

- **Languages:** Python, JavaScript, TypeScript, Ruby, Java
- **Technologies:** React.js, Next.js, Angular, AngularJS, React Native, Express, Ruby On Rails, Node.js
- **Tools:** Redux, Redux-Thunk, Redux-Saga, RXJS, jQuery, Material-UI, Bootstrap, TailwindCSS, Ant, Git, Figma, Swagger, Capistrano, Jest, Postman, ESLint, REST, Babel, GraphQL, Cursor, Model Context Protocol
- **Systems:** MySQL, PostgreSQL, DynanoDB, Docker, NGINX, Apache, AWS S3, AWS RDS, EC2, DigitalOcean

## EXPERIENCE

---

Software engineer (Full Stack) @Thermofisher Scientific April 2022 – Present

- Optimized mobile web performance by reducing the INP score from **500ms to 180ms** through client-side refactoring, enhancing Core Web Vitals and smoother user interactions.
- Refactored image loading from client-side to server-side, reducing load times **from 5 seconds to 2 seconds**—resulting in a **25%** boost in user engagement and a **15%** increase in conversion rates.
- Contributed to the full-stack development by integrating **Java**-based server enhancements with **AngularJS** client improvements, reducing query response time by **30%**.
- Designed core web components using **Angular** and **RXJS**, which decreased project development time by **35%** and reduced state management errors by **30%**, significantly enhancing overall system performance and maintainability.
- Expanded test automation with **Cucumber**, increasing the testing pass rate from **65% to 80%** and reducing post-deployment bugs by **22%**, thereby improving system reliability and deployment efficiency.

Software engineer (Full Stack) @Unimedia Solutions Jun 2020 – July 2021

- Developed fully functional user features such as authentication, chat, and user settings modules for mobile and web applications using **React, React Native, and Next.js**, improving overall user experience.
- Developed back-end modules such as recruiting and chat using **Ruby on Rails, AWS S3, RDS, and DynamoDB** for mobile and web applications.
- Established the codebase and architecture for a new **React Native** [project](#), accelerating development time by **20%**.

Software engineer (Full Stack) @Qualsmart Solutions Jun 2018 – Jun 2020

- Reduced reporting module processing time from **1 minute to 3 seconds** by optimizing database queries in Ruby on Rails and MySQL, achieving a **95% decrease** in response time and cutting server **load by 40%**.
- Initiated, planned, and executed a social QR web application using **Docker, MySQL, React, TailwindCSS, and Ruby on Rails**.
- Led the development of a full-stack [web application](#) using **React, React Native, Node.js, RDS, TypeScript, and Redux**.

## EDUCATION

---

- **Master's degree**, Computer Science, Maharishi International University, USA Aug 2021 - Jun 2024
- **Bachelor's degree**, Information Technology, MUST, Mongolia Jun 2014 - Jun 2018