

# Bilguun Batnasan

## Software Engineer

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Innovative and results-oriented Software Engineer with 6+ years of experience designing, developing, and optimizing scalable web applications and distributed systems. Proven success in leading engineering initiatives, improving system performance, and enhancing user experience across e-commerce, media streaming, and enterprise applications. Passionate about writing clean, maintainable code and driving cross-functional collaboration in high-impact environments.

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- Java, Javascript, Typescript, Ruby
  - Angular, React, Vue, Node, Express, Ruby on Rails, React Native, Next, Nuxt
  - PostgreSQL, DynamoDB, MySQL, Mongo
  - AWS (EC2, S3, Cloudwatch, Lambda, MediaLive, MediaPackage, API Gateway), Docker, Github Actions, Jenkins
  - Redux, WebSockets, Grafana, Swagger, Webpack, RxJS, CI/CD, ESLint
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## PROFESSIONAL EXPERIENCE

### Thermo Fisher Scientific Inc

*Austin, Texas*

#### Software Engineer

*Apr 2022 - Apr 2025*

- Led the development of a modular React-based reporting and metrics dashboard, cutting load times by 50% and improving stakeholder engagement.
- Migrated CI/CD pipelines from Jenkins to GitHub Actions, reducing deployment time by 25% and increasing engineering efficiency.
- Collaborated with cross-functional teams (design, data, product) to launch performance-optimized e-commerce tools, improved Core Web Vitals by up to 90% through code modularization and lazy loading.
- Increased test automation coverage by 30%, reducing regression bugs and accelerating release cycles.
- Containerized and modernized legacy systems, cutting onboarding time for new engineers and testers by 1 full day.

### Unimedia Solutions LLC

#### Software Developer

*July 2018 – July 2021*

- Architected and delivered a microservices-based live streaming and chat platform using AWS, doubling system throughput and scalability.
- Collaborated with cross-functional teams (product, design), launched real-time tournament management system, boosted user engagement by 35%.
- Applied computer vision techniques to enhance a name card scanning app, improving recognition accuracy by 40%.
- Designed and delivered a customizable news feed system for a transportation client, enhancing UI and personalization.

## EDUCATION IN COMPUTER SCIENCE

- **Master**, Maharishi International University, USA *Aug 2021 – Dec 2023*
- **Bachelor**, National University of Mongolia, Mongolia *Sep 2014 – Jun 2018*