

Bilguun Batnasan

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SOFTWARE ENGINEER

Innovative and results-oriented Software Engineer with over 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.

Skills

- **Programming Languages:** Java, Ruby, C#, Javascript, Typescript, Kotlin
- **Backend & API:** Spring, Node, Express, Ruby on Rails, API Development
- **Frontend:** Angular, React, Vue, React Native, Next, Nuxt
- **Databases:** PostgreSQL, DynamoDB, MySQL, Mongo, Redis
- **Cloud & DevOps:** AWS (EC2, S3, Cloudwatch, Lambda, MediaLive, MediaPackage, API Gateway, EKS, ECS), Docker, Kubernetes, Github Actions, Jenkins, CI/CD, SEO
- **Tools & Miscellaneous:** PgAdmin, Redux, WebSockets, Grafana, Swagger, Webpack, RxJS, ESLint, Postman

PROFESSIONAL EXPERIENCE

Thermo Fisher Scientific Inc Apr 2022 - Apr 2025

Software Engineer Austin, Texas

- Successfully implemented and maintained a centralized pricing API microservice, integrating it across multiple e-commerce applications to increase client engagement and enable code generalization.
- Collaborated with cross-functional teams (design, data, product) to launch performance-optimized e-commerce tools, improving Core Web Vitals by up to 90% through code modularization and lazy loading.
- Led the development of a reporting and metrics dashboard, cutting load times by 50% and improving stakeholder engagement.
- Containerized and modernized legacy systems using Docker, cutting onboarding time for new engineers and testers by 1 full day.
- Migrated CI/CD pipelines from Jenkins to GitHub Actions, reducing deployment time by 25% and increasing engineering efficiency.
- Increased test automation coverage by 30%, reducing regression bugs and accelerating release cycles.

Unimedia Solutions LLC Jul 2018 - Jul 2021

Software Developer

- Architected and delivered a microservices-based live streaming and chat platform on AWS, utilizing Java to design REST based services that doubled system throughput and scalability.
- Collaborated with cross-functional teams (product, design) to launch a real-time tournament management system, boosting 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

Maharishi International University, USA

Aug 2021 - Dec 2023

Master, COMPUTER SCIENCE

National University of Mongolia, Mongolia

Sep 2014 - Jun 2018

Bachelor, COMPUTER SCIENCE