

# Sambu Uugansuren

Senior software engineer with cloud native specialty, building scalable cloud solutions and data-driven web experiences with cutting-edge technologies.

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## Experiences

### *Senior Software Engineer* • **Noria Water Technologies** Jan 2023 — Present

- Designing, implementing, and managing multi client environments through a centralized development base.
- Enhancing automation and microservices deployment using GitHub Actions and CI/CD pipelines.
- Solely designed and implemented infrastructure of a new real-time water plant monitoring system from scratch.
- Applied serverless architecture to company projects, achieving shorter deployment processes, faster feature deliveries and cost reduction throughout all projects.
- Introduced practice of writing technical documentations among various engineers.

### *Senior Software Engineer* • **IoT-EX** Nov 2021 — Jan 2023

- Developed an MDM (Mobile Device Management) system which managed 1.3 million devices throughout 8,500 businesses.
- Introduced practice of diagramming and writing technical documentation throughout the company's engineering teams.
- Integrated microservices and auto-scaling that significantly reduced traffic load and performance issues on the system.

### *Senior Software Engineer* • **Dentsu Digital** Jun 2018 — Nov 2021

- Served as technical lead for several B2B and B2C development projects that incorporated various AI-driven solutions in web applications.
- First engineer to introduce and implement serverless architecture in company projects, achieving significant cost reduction and performance efficiency.
- Pioneered the practice of diagramming project infrastructures, cutting down work time and making communication more efficient among DevOps, engineers and clients.
- Implemented microservices architecture which reduced cloud billing costs by an average of 60%.
- Oversaw early GPT-3 and BERT chat AI models, efficiently managed with Docker and Kubernetes for optimized deployment.
- Automated build, testing and deployment processes which completely eliminated human-errors that were occurring during project releases.

### *Full Stack Engineer* • **Sodon Solution** Jun 2015 — Jun 2018

- Crafted cross-browser compatible landing pages with HTML, SCSS, Less, and Angular.
- Enhanced backend development with Spring Boot in Java, optimizing database performance with MySQL and MariaDB on Ubuntu server and LXD.

## Skills

### Programming Languages:

C#, Python, Javascript, Typescript, SQL

### Libraries & Frameworks:

.NET Core, ASP.NET Core, Entity Framework Core, React, Nextjs, Angular, GraphQL, gRPC, tRPC, Node.js, Flask, Django, Redis, Celery, SCSS, LESS

### Architectures & Design Patterns:

Serverless, Microservices, REST API, MVC, MVVM, SOAP, Event-Driven Architecture (EDA), Modular Monolith, SPA, Test-Driven Development(TDD), Domain-Driven Design (DDD)

### Tools & Platforms:

AWS, API Gateway, Lambda, EC2, ECS, EKS, ASG, ELB, S3, CloudFront, Route53, CloudFormation, SQS, EventBridge, Cognito, IAM, SES, Kinesis, Athena, Glue, GCP, Compute Engine, App Engine, Cloud Run, Cloud Function, Cloud Storage, Docker, Unix Shell, Sentry, Splunk, NGINX, Apache

### Database Management:

PostgreSQL, MySQL, RDS/Aurora, DynamoDB, MongoDB, Cloud SQL, Firestore, BigQuery

### CI/CD:

CodePipeline, Cloud Build, Kubernetes, Github Actions, Gitlab Runner, Terraform, AWS CDK, AWS SAM, Cloud SDK, Unit Testing, Integration Testing, E2E Testing, Code Coverage Reports, DTD, ETL

## Certifications

### **AWS Certified Solutions Architect - Associate**<sup>[1]</sup>

Issued by Amazon Web Services Training and Certification

Expires on May 07, 2026