DAVAAKHATAN ZORIGTBAATAR

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SOFTWARE ENGINEER

Full-Stack Software Engineer with 4+ years of experience building and scaling backend APIs and microservices using Node.js, TypeScript, and React. Experienced in RESTful API design, PostgreSQL, cloud-native deployments (AWS), and CI/CD pipelines using Docker, Jenkins, and Kubernetes. Passionate about maintainable code, performance optimization, and end-to-end software quality.

Front-End: React.js, Tailwind, JavaScript, Angular
Back-End: Java (Spring Boot), Node.js (Express), Flask, Go
Databases: MySQL, MongoDB, Cassandra, Oracle
Testing: JUnit, Selenium, Postman, Jest.
DevOps: CI/CD, K8s, Docker, Terraform, Jenkins
Cloud: AWS (EC2, Lambda EKS, S3, RDS), Azure (DevOps)
Security: OAuth2, JWT, LDAP, Azure AD
Collaboration: Jira, ServiceNow, Agile, Git, ClickUp

PROFESSIONAL EXPERIENCE

FULL-STACK DEVELOPER — Erie Technology Incubator Inc. (Jan 2025 – May 2025)

Built a real-time internal web platform to support automation, system responsiveness, and usability for organizational operations.

- Built full-stack cloud applications using React.js, Node.js, and MySQL, including REST APIs and reusable front-end components to improve business workflows.
- Integrated Redis caching to reduce data latency, resulting in faster data retrieval and improved system responsiveness.
- Converted Figma-based UI prototypes into reusable and scalable front-end components, streamlining the development process and enhancing design consistency.

GRADUATE ASSISTANT — Gannon University (Feb 2024 – May 2025)

Developed academic tools and full-stack applications to support faculty planning, SDLC education, and student engagement.

- Designed and built a **MERN-stack course scheduling tool**, replacing Excel-based processes and improving efficiency by **80%**.
- Created secure **Node.js/Express APIs** and user-friendly React interfaces to streamline course planning.
- Developed an **AI-powered SDLC generator** using **Vercel**, **Supabase**, and **OpenAI API**, enabling non-technical users to generate project documentation from a simple idea.
- Familiar with AI/ML integration concepts and have contributed to AI-powered features in enterprise applications.

DEVOPS ENGINEER — Khan Bank (Jan 2022 – July 2023)

Modernized mobile banking infrastructure and implemented automation pipelines for core financial services at Mongolia's largest bank.

- Defined SLOs and SLIs for core banking APIs; improved availability from 98.5% to 99.95%, reducing critical incidents.
- Built and maintained CI/CD pipelines using Jenkins and Azure DevOps for over 30 microservices with automated testing (SonarQube, JUnit) and secure rollout strategies.
- Wrote YAML configurations and automated Kafka/Zookeeper provisioning using Ansible and vRA, enabling QA and developers to spin up isolated test environments on-demand without conflict.
- Implemented centralized observability across test and production environments using Grafana, Prometheus, ELK Stack, and Helm on AWS EKS—enabling self-service dashboards, alerting, and actionable metrics for engineers; contributed to a 30% reduction in MTTR through automated monitoring and structured incident response.
- Migrated legacy Java/WebLogic apps to microservices on AWS EKS and Azure AKS, reducing release cycles by 60%.
- Instrumented CI/CD with OpenTelemetry and ELK Stack to gain real-time performance insights on builds and deployments.

SOFTWARE SECURITY ENGINEER — Infosolution LLC (Sep 2017 – Jan 2022)

Delivered enterprise automation and cloud security solutions for finance and government clients, with deep integration into Microsoft Azure services and Microsoft 365.

- Designed and deployed secure cloud architectures using **Azure Resource Manager (ARM)** templates and **Azure DevOps**, accelerating environment setup by 60%.
- Created web-based dashboards in React and AngularJS for threat feed visualization and user activity tracking, enhancing real-time monitoring capabilities.
- Automated compliance and infrastructure audits using Azure Security Center and Microsoft Defender for Cloud.
- Built dashboards and portals with Power BI, SharePoint, and Azure Monitor for real-time user activity, security insights, and threat visualization.
- Partnered with cross-functional teams to deliver client-facing solutions and live product demos, ensuring alignment with customer goals and technical feasibility.

Master of Science in Computer and Information Science
Gannon University, Erie, PA, USA

Bachelor of Science in Information Technology
Mongolian University of Science and Technology