DAVAAKHATAN ZORIGTBAATAR

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EDUCATION

Gannon University | Erie PA May, 2025
Master of Software Engineering | GPA: 3.9/4.0

EXPERIENCE

Full-Stack Developer | E3 Company
- Developing a web application for real-time monitoring of pressure relief units, integrating IoT data with a secure backend. Tasks include implementing custom IoT support, real-time alerts, Dockerization, and CI/CD pipelines for AWS.
- This project will reduce manual efforts, enable predictive maintenance, and minimize downtime, saving man-days and cutting operational costs for the company.

Graduate Assistant | Gannon University | Erie PA, US February 2024
- Automated workflows improved efficiency and streamlined administrative tasks, saving significant time. This project demonstrated strong skills in project management, problem-solving, and collaboration.
- Developed a scalable MERN/MongoDB web application for professors, simplifying processes and reducing workload by 30%. Ensured maintainability and scalability using Git and GitHub for version control.

DevOps Engineer | Khan Bank | UB, Mongolia 2022 – 2023
- Developed and deployed automated Selenium tests for ServiceNow ITSM workflows, reducing manual testing efforts. Built Go-based APIs integrating Azure Key Vault, IAM, and SQL for data validation, while implementing CI/CD pipelines with Jenkins, GitLab, Docker, and Azure Container Registry.
- Optimized application performance by 20% and reduced deployment time by 15% through automation and predictive analytics. Automated test suite execution with Selenium, enhancing software quality and operational efficiency.

PROJECTS

OCH and LOS System Containerization
- OCH and LOS, two legacy systems in the banking industry, were modernized into microservices architectures on Kubernetes, enhancing scalability and reliability. Deployments were streamlined using Jenkins, Ansible, and Puppet, achieving up to 20% faster deployment times. CI/CD pipelines were implemented with GCP, TFS, and S3 integration, leveraging automation for seamless workflows.
- Kubernetes ensured flexible orchestration, while Prometheus and Grafana provided robust monitoring and high availability. Deployment errors were reduced by 30%, and resource efficiency improved by 15%. System stability was further enhanced through ITIL best practices, EC2 management, and optimized processes.

DORA DevOps KPI and vRA and Ansible Automation
- Developed real-time monitoring and data streaming systems using Prometheus, Grafana, Kafka, and RabbitMQ to enhance IT infrastructure and anomaly detection. Automated workflows with Python, PowerShell, and Bash, integrating S3 for artifact management and building CI/CD pipelines for streamlined deployment.
- These solutions reduced alert noise by 25%, downtime by 20%, and MTTR by 15%, improving system stability and efficiency. Leveraging event-driven architecture and ITIL best practices, the project optimized workflows and demonstrated strong DevOps expertise

Information Security Engineer | Infosolution LLC | UB, Mongolia 2017 – 2022
- Developed Splunk dashboards to monitor AWS infrastructure, enhancing security, incident response, and fraud prevention. Designed and optimized log analysis queries using Splunk and CyberArk PAM, reducing security risks by 15%.
- Built automated log-parsing scripts in Python to integrate Splunk dashboards with custom reporting tools, providing actionable insights into system performance. Conducted Office 365 penetration testing and security assessments, identifying vulnerabilities, improving system design, and integrating fraud prevention measures.

SKILLS

Programming Languages: Java, Python, C#, JavaScript, C++, TypeScript
FullStack Development: React, Node.js, Express.js, Redis, Spring Boot, MongoDB, Cassandra, Firebase, SQL, DynamoDB, Flask, Django, .NET Core, RESTful APIs, API Gateway (AWS/Others), WebSockets, Testing (Selenium), Automated Testing, Maven.
DevOps & Cloud: Azure, AWS, vRA, Terraform, Kubernetes, Docker, Jenkins, Git, Kafka/Zookeeper, Ansible, ELK, Datadog, Prometheus, Grafana, Splunk, CI/CD, Helm, OpenShift, Istio (for service meshes)
Software Development Practices: Microservices, Agile (Scrum), Test-Driven Development, SDLC, AI/ML (TensorFlow, PyTorch, LLMs).