Tanner Mjelde

Spokane, WA
+1 (206) 949-4193
Tanner@Mjelde.us
https://tanner.mjelde.us

Skills

- Java
- Kotlin
- Microservices
- RooCode/Claude
- MCP Servers
- Bash
- AWS
- Terraform
- Linux
- Docker/Docker Compose
- Selfhosting

Interests

- Dev Ops
- Infrastructure as Code
- Agile
- Automation
- CI/CD

Education

Washington State University

Bachelor of Science
Computer Science

Summary

Goal-oriented software engineer with 5+ years of experience in cloud-native development, automation, and DevOps. Proven track record in building scalable RESTful APIs, microservices, and CI/CD pipelines using Java, Kotlin, AWS, and Terraform. Passionate about high-impact automation to drive efficiency and cost savings.

Experience

Smartsheet — **March 2021 - Oct 2025**
Software Engineer II — Bellevue, WA

- Engineered high-performance RESTful APIs using Java and Kotlin for attachment and messaging features, processing 500K+ daily requests with 99.9% uptime to support scalable enterprise workflows.
- Developed custom Data Loss Prevention (DLP) solution leveraging AWS Lambda with event-driven architecture to prevent outside entities from accessing content even with direct link, rescuing a >1M ARR enterprise contract on the brink of termination by delivering fully functional systems in less than 3 weeks.
- Built and optimized CI/CD deployment pipelines using GitLab and Terraform for the two largest services among a team's 10+ responsibilities, incorporating auto-rollback to achieve such reliability that production deployments bypassed the required Production Change Request (PCR) approval process, streamlining releases and saving 1-3 days per deployment.
- Contributed extensively to migrating two feature areas from a legacy monolith to independent microservices, with primary involvement in developing the new greenfield APIs that decoupled dependencies and improved scalability for high-traffic features, enabling 5x faster development iterations for the team.
- Developed and maintained Infrastructure as Code (IaC) templates with Terraform for 15+ microservices, optimizing AWS resource provisioning to save ~20% on cloud costs while ensuring compliant, repeatable deployments.

Costco Wholesale — **June 2019 - March 2021**
Software Development Engineer II — Issaquah, WA

- Automated VM pool management for internal teams (e.g., ecomm and mobile), developing parallel Bash scripts with logging to apply bespoke Puppet configurations via SSH (or RDP fallback) for custom setups like Chrome registry edits, Git, and Android Studio, reducing per-pool application from N individual executions to a single batched process across 1,000+ machines—cutting deployment time by 80% and eliminating most manual interventions.
- Orchestrated bespoke software package deployments for internal customers using Git, JFrog Artifactory, Puppet, and Chocolatey (e.g., Android Studio for mobile teams), ensuring reliable, remote-triggered updates in restricted VM environments with no direct customer access.
- Spearheaded the implementation of Terraform configurations within a team of 8 to migrate on-premises VM infrastructure to Azure cloud, developing reusable IaC modules and on-demand provisioning with Puppet profiles to spin up VMs dynamically for test workloads—e.g., 50 VMs with a specific role—run suites to validate flakiness, and tear down to avoid idling 1,000+ resources.

Capgemini — **July 2018 - June 2019**
Applications Consultant — Issaquah, WA

- Designed and implemented data gathering applications in Java and C# for distributed systems, aggregating IoT devices on the edge to support real-time analytics and client-specific workflows in a consulting environment.
- Developed custom data visualization displays using PowerBI and C#, transforming raw aggregated data into actionable dashboards that enhanced stakeholder decision-making accuracy by providing intuitive insights for 20+ client reports.

Tata Consultancy Service — **May 2017 - July 2018**
Application Consultant — Bellevue, WA

- Implemented custom data displays using Microsoft technologies like PowerBI, supporting visualization and handling of large volumes of data to aid leadership decision-making in a team environment.

Projects

Homelab — **November 2017 - Present**
Self hosting a multitude of services for personal use and for close family.
https://status.mjelde.us

- Architected and maintain a self-hosted server ecosystem using Docker Compose and Linux (Ubuntu) on a home NAS, deploying open-source services for media streaming, photo backups, and home automation to serve personal and family needs—achieving 99.5% uptime monitored via Uptime Kuma on the public status page.
- Integrated services including Jellyfin for media organization/streaming, Audiobookshelf for audiobook/ebook libraries, Immich as a privacy-focused Google Photos alternative with AI tagging, and Home Assistant for IoT automation (e.g., smart lights, sensors)—customized with reverse proxies (e.g., Caddy) and automated backups to ensure secure, offline access without cloud dependencies.