

Mikhail Hanson

📞 (512) 555-7318 ✉️ mikhail.hanson@example.com

🌐 linkedin.com/example/mikhailhanson 📍 Austin, TX 78701



SUMMARY

Senior software engineer with six years building, shipping, and operating distributed cloud infrastructure and **security** sensitive services. Works across Java and Go, Kubernetes, Docker, Terraform, Linux, SQL, NoSQL, networking, observability, and incident response. Current work centers on multi tenant gateway services that protect business critical workloads through policy enforcement, traffic routing, failure isolation, retry controls, backpressure, and health management. Leads architecture reviews, production investigations, and incremental modernization using operational data and practical prototypes. Career growth includes full **software development lifecycle** ownership, from object oriented design and implementation through **deployment**, testing, live site diagnosis, and post incident improvement. Brings clear technical communication and steady ownership to mission critical systems where reliability, security, performance, and **customer impact** must guide every decision.

EXPERIENCE

Senior Software Engineer, Infrastructure

February 2024 - Present

BlueMesa Cloudworks

Austin, Texas

Owns architecture, implementation, deployment, and live operation for multi tenant gateway services across a distributed cloud control plane. Provides technical direction on security, scalability, reliability, and incremental platform change while coaching engineers through production ownership.

- Architected **Java** and Go gateway services for tenant traffic policy, improving isolation across cloud workloads
- Built **Kubernetes** services with **Terraform** environments, giving teams repeatable deployment and safer infrastructure changes
- Added retry, backpressure, and health controls during regional events, preserving tier one service behavior
- Traced HTTP, DNS, **TCP/IP**, **Linux**, container, and database failures into monitors and operational runbooks
- Led architecture reviews with prototypes and service data, building consensus around security and scalability changes
- Coached engineers through on call readiness, code reviews, and post incident learning for stronger **ownership**

Software Engineer II

January 2022 - January 2024

Redwood Platform Labs

Denver, Colorado

Delivered distributed platform services for tenant configuration and service discovery across clusters and availability zones. Owned features from design through production operation, combining container orchestration, **infrastructure as code**, data access, troubleshooting, testing, and release verification.

- Built Java services for tenant configuration and discovery, coordinating state across clusters and availability zones
- Containerized platform components with **Docker** and Kubernetes, adding readiness checks for dependency failures
- Created Terraform modules for networking, compute, and service dependencies across development and production
- Diagnosed Linux, **DNS**, routing, and TCP issues through logs, metrics, traces, and system tools
- Selected **SQL** and **NoSQL** indexing patterns using latency, consistency, durability, and operational requirements
- Delivered releases with automated tests, dashboards, runbooks, and post **deployment** verification for production confidence

Software Engineer

June 2020 - December 2021

Granite Peak Software

Boise, Idaho

Developed object oriented Java services and internal APIs, supporting production delivery through testing, container **operations**, incident investigation, database changes, and operational documentation. Built practical foundations for dependable software ownership across application and infrastructure boundaries.

- Developed object oriented Java services and internal APIs, translating product needs into tested production interfaces
- Implemented **HTTP** integrations with asynchronous processing, protecting workflows from variable latency dependencies
- Maintained Docker environments and Kubernetes deployments, addressing configuration, resource, and health constraints
- Investigated Linux incidents through logs, network behavior, database queries, and **deployment** changes
- Added SQL schema migrations and NoSQL access paths with rollback tests for safer releases
- Expanded unit, integration, and service tests while documenting procedures for production ownership

PROJECTS

Multi Tenant Gateway Reliability 📅 2024

Created a reliability improvement program for gateway services using failure isolation, retry controls, backpressure, health checks, and operational data. The work connected architecture decisions with safer production behavior during dependency degradation and regional events.

Infrastructure Delivery Standardization 📅 2023

Built reusable Terraform modules and Kubernetes delivery checks for networking, compute, service dependencies, and realistic readiness conditions. The effort gave engineering teams repeatable environments and clearer release verification across development and production.

LEADERSHIP & AWARDS

- Recognized by engineering leadership for guiding secure gateway architecture through data driven design reviews.
- Selected as a trusted production partner after resolving recurring Linux, networking, and service reliability issues.
- Earned peer recognition for coaching engineers through on call readiness and post incident learning.

EDUCATION

Bachelor's Degree in Computer Science

University of Idaho GPA: 3.8

Coursework: Object Oriented Programming, Distributed Systems, Database Systems, Computer Networking, Operating Systems

2020
Moscow, Idaho

CERTIFICATIONS

- AWS Certified Developer Associate 📅 2023
- HashiCorp Certified Terraform Associate 📅 2024

TECHNICAL SKILLS

- **Programming Languages:** Java, Go, C#
- **Container Platforms:** Kubernetes, Docker, KVM
- **Cloud Platforms:** AWS, Azure, Oracle Cloud
- **Infrastructure as Code:** Terraform, Terraform modules, cloud provisioning
- **Databases:** SQL, NoSQL, indexing
- **Operating Systems:** Linux, Unix, system troubleshooting
- **Networking Protocols:** HTTP, DNS, TCP/IP
- **Network Infrastructure:** DHCP, routers, gateways
- **Network Architecture:** OSI layers, subnets, tenant networks
- **Software Delivery:** Agile, automated testing, deployment pipelines
- **Reliability Engineering:** Observability, incident response, runbooks
- **Service Architecture:** Distributed systems, multi tenant services, service discovery

SKILLS

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|--------------|-------------------------------|-------------------------|----------------------------|
| • Java | • Terraform | • Production Operations | • NoSQL Databases |
| • GoLang | • Distributed Systems | • System Design | • Linux Troubleshooting |
| • Kubernetes | • Object Oriented Programming | • Incident Response | • Agile Software Lifecycle |
| • Docker | • Public Cloud Development | • SQL Databases | |

PROFESSIONAL AFFILIATIONS

- Member, Association for Computing Machinery, sharing practical insight on distributed systems and software engineering.
- Participant, Cloud Native Computing Foundation community, connecting with practitioners focused on Kubernetes and reliable platforms.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST