

Brody Sanchez

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SUMMARY

Senior solution architect with 12 years of progressive experience shaping **traffic infrastructure**, networking platforms, and cloud native integration patterns for engineering organizations. Builds practical architectures for load balancing, **Kubernetes ingress** and egress, Envoy, gateways, **service mesh** systems, **network boundaries**, and trust zone security. Partners directly with application and platform teams to clarify incomplete requirements, map request paths, assess constraints, and create implementation plans that move integrations into production. Career growth across network engineering, platform engineering, traffic architecture, and senior solution ownership reflects steady adaptation as infrastructure needs changed. Communicates architecture decisions clearly, documents product gaps, and keeps customer teams aligned from discovery through delivery. Ready to apply this blend of technical depth and customer partnership to dependable traffic infrastructure solutions.

EXPERIENCE

Senior Solution Architect, Traffic Infrastructure

March 2024 - Present

Rainier Cloud Platforms

Kirkland, WA

Primary architecture partner for **engineering teams** adopting **managed load balancing**, gateway, and service mesh capabilities across multicloud application environments. Guides discovery, design, product feedback, and production readiness while maintaining clear decisions across stakeholder groups.

- Mapped incomplete traffic requirements into request paths, trust boundaries, dependencies, and phased integration plans.
- Designed **Kubernetes ingress** and egress patterns with **Envoy** data planes for secure application reachability.
- Reviewed cross border traffic flows, exposing policy constraints before production migration sequences began.
- Documented integration gaps with acceptance criteria, giving platform engineers practical paths for product decisions.
- Guided architecture reviews through **production readiness**, resolving customer questions and preserving delivery momentum.

Principal Traffic Architect

January 2021 - February 2024

Soundline Distributed Systems

Seattle, WA

Owned traffic architecture for shared Kubernetes platforms serving application teams across distributed environments. Connected customer discovery with platform engineering, reference designs, migration planning, and architecture mentorship for secure service connectivity.

- Defined shared **Kubernetes ingress**, egress, gateway, and service connectivity patterns for application teams.
- Introduced Envoy **service mesh** designs that standardized routing and **security** across trust boundaries.
- Sequenced proxy migration plans around production dependencies, protecting availability during managed service adoption.
- Converted recurring integration blockers into prioritized platform capabilities and clearer adoption guidance.
- Mentored senior engineers through network troubleshooting, request path analysis, and customer architecture reviews.

Senior Platform Engineer

May 2018 - December 2020

Evergreen Container Services

Redmond, WA

Built networking foundations for internal application platforms, with hands on ownership of service discovery, ingress routing, egress controls, Envoy configuration, **gateways**, and production onboarding. Translated application behavior into dependable platform traffic patterns.

- Engineered Kubernetes networking foundations for service discovery, ingress routing, egress control, and workload connectivity.
- Implemented Envoy proxy configurations and gateway patterns for shared platform services.
- Traced packet behavior across containers, hosts, proxies, and upstream services during complex incidents.
- Documented trust boundaries and routing dependencies for segmented workload communication and security reviews.
- Created runbooks and integration examples that reduced architecture escalations during platform adoption.

Network Engineer II

July 2015 - April 2018

Northwest Network Automation

Tacoma, WA

Supported routed connectivity for data center and application environments while expanding depth in TCP/IP, DNS, load balancing, automation, and troubleshooting. Worked with systems engineers on migration paths, reverse proxy standards, and change planning.

- Designed routed connectivity for data center applications using **TCP/IP**, DNS, and **load balancing** fundamentals.
- Automated network configuration and validation tasks for repeatable application connectivity changes.
- Analyzed packet paths during incidents, isolating failures across routing, **DNS**, firewalls, and load balancers.
- Validated segmented environment connectivity before application migration cutovers and release windows.
- Created technical diagrams and change plans that clarified dependencies, implementation steps, and rollback risks.

Network Engineer

June 2014 - June 2015

Puget Sound Infrastructure Group

Olympia, WA

Supported enterprise network services for application and infrastructure teams under senior engineering review. Developed core troubleshooting, load balancing, documentation, release coordination, and service owner communication skills.

- Configured routed connectivity and validated service reachability across managed enterprise environments.
- Traced TCP/IP and DNS requests through network devices and application endpoints to isolate failures.
- Maintained internal load balancer routing changes and verified expected application behavior.
- Prepared topology records with dependencies and rollback steps for scheduled network changes.
- Coordinated release testing with server and application teams, finding firewall and naming issues early.

PROJECTS

Cross Boundary Traffic Reference Architecture 📅 2024

Created a reusable architecture reference for traffic routing across network borders and trust zones. The work reflects a belief that clear boundaries help engineering teams make safer decisions, move with confidence, and keep service ownership visible.

Managed Gateway Adoption Framework 📅 2023

Developed adoption guidance for teams moving from application managed proxies to managed gateways. Focus centered on practical migration steps, clear ownership, and dependable service delivery rather than technology for its own sake.

LEADERSHIP & AWARDS

- Recognized by platform leadership for clear traffic architecture decisions during complex customer integrations.
- Selected to mentor senior engineers on request path analysis, network troubleshooting, and architecture communication.
- Earned sustained trust from application teams by carrying integration questions through production readiness.

EDUCATION

Bachelor of Science in Information Technology

2014

Washington State University GPA: 3.5

Pullman, WA

Coursework: Networking fundamentals, database systems, systems analysis, information security

CERTIFICATIONS

- Certified Kubernetes Administrator 📅 2022
- Certified Kubernetes Administrator Continuing Education 📅 2024

TECHNICAL SKILLS

- **Kubernetes Networking:** Kubernetes, ingress, egress
- **Traffic Proxies:** Envoy, reverse proxy, proxy configuration
- **Service Connectivity:** Service mesh, service discovery, service to service routing
- **Load Balancing:** Managed load balancing, application load balancing, traffic distribution
- **Gateway Platforms:** Gateways, gateway patterns, gateway integration
- **Network Fundamentals:** TCP/IP, DNS, packet flow
- **Routing Systems:** Traffic routing, routed connectivity, request paths
- **Security Boundaries:** Trust zones, network borders, network security
- **Cloud Infrastructure:** Cloud native infrastructure, multicluster platforms, distributed environments
- **Architecture Methods:** Integration architecture, reference designs, decision records
- **Delivery Practices:** Production readiness, migration planning, phased implementation
- **Automation Tools:** Network automation, configuration validation, technical diagrams

SKILLS

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|----------------|-------------------|--------------------|---------------------------|
| • Networking | • Load Balancing | • DNS | • Network Security |
| • Kubernetes | • Traffic Routing | • Ingress Patterns | • Solution Architecture |
| • Envoy | • Gateways | • Egress Patterns | • Technical Communication |
| • Service Mesh | • TCP/IP | • Trust Zones | |

PROFESSIONAL AFFILIATIONS

- Cloud Native Computing Foundation community participant, focused on Kubernetes networking and platform practice.

- Network engineering peer group contributor, sharing traffic troubleshooting methods and architecture references.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST