

MILAD

Backend Engineer — Reliability, Security & Performance

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Professional Summary

Backend + security engineer focused on failure containment: scalable services, cost discipline, and production guardrails. 7+ years shipping systems under real traffic and adversarial conditions.

- **Zero-incident custody of ~\$4M on-chain assets** across 3 years of live operations
- **10× throughput** at constant cost; **~65% → ~92% reliability** via recovery design
- **60% cloud cost reduction** via architecture simplification and tuning
- **99% gas reduction** by redesigning on-chain workflow boundaries
- **Fraud detection** flagged ~10% suspicious activity; reduced abuse and incident load
- **Security automation** saved ~3 hours/day for the team

Recent focus on early-stage product development, with a track record in team-based scaling and optimization.

Professional Experience

VENT Finance — Web3 Digital Asset Platform

Senior Backend / Security Engineer | Nov 2021 – Jun 2024

- Operated production systems securing ~\$4M in assets with **zero security incidents**
- Collaborated with auditors to reach **9/10** external audit score
- Simplified AWS architecture for **60% cost reduction** while preserving uptime and performance
- Redesigned on-chain operations for **99% gas savings**
- Brought backend/infra/security in-house; avoided **\$50K** outsourcing

Revision — Trivia Gaming Studio

Senior Backend Engineer | Feb 2020 – Jul 2021

- Scaled throughput **10×** without increasing hosting expense; kept velocity intact
- Improved reliability from **~65% → ~92%** by designing safe retries, recovery, and guardrails
- Built behavioral fraud pipeline; flagged **~10%** suspicious activity and reduced abuse
- Reduced incident recovery times from minutes to seconds

Vexor Network — Web3 Reputation Protocol

Senior Engineer (Fractional) | Nov 2024 – Feb 2025

- Hardened pre-beta backend with caching + observability; achieved **~40% latency reduction**
- Added rate limiting + input validation; blocked early abuse patterns before growth
- Implemented CI/CD for predictable releases, fast rollback, and low operator load

Block By Block — Community Engagement Platform (Early Stage)

Technical Co-Founder | Sep 2025 – Present

- Shipped investor demo in **10 days**; prevented ~\$10k wasted build and clarified scope
- Built scalable backend with production-grade primitives (validation, idempotency, observability)
- Shaped ambiguous ideas into shippable components with clear interfaces and failure boundaries

Additional Experience

- **BugDasht** (Founding Engineer, 2019) — Delivered cybersecurity platform in 8 months
- **MCI** (SecOps Engineer, 2017–2019) — Security automation for development teams
- **Saman Bank** (Junior Engineer, 2015–2017) — Engineering in regulated environment

Selected Projects & Contributions

- **NEAR Threshold Signatures** — vulnerability fixes; **80×** performance gains in a critical path
- **dTip** — Open-source Web3 donation platform with transparent on-chain flows

Skills

Languages:

TypeScript/Node.js, Python, Rust, Go

Backend:

NestJS, REST/WebSockets, Microservices

Cloud & Infra:

AWS, GCP, Docker, CI/CD, Kafka/RabbitMQ

Reliability:

Prometheus, Grafana, OpenTelemetry

Security:

DevSecOps, Threat Modeling, Applied Crypto

Web3 & AI:

Smart Contracts, GenAI, LangChain

Education & Certifications

- Google Vertex Generative AI – Google Cloud (2025)
- OLAS Autonomous Agents Certification – Valory (2024)
- Certified Ethical Hacker (CEH) – EC-Council (2019)
- M.Sc. Software Security (2017) • B.Sc. Software Engineering (2014)

Let's Connect

Open to backend/security roles where reliability under load matters.

Architecture notes and work samples available.