

Mohammed Raashed

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EXPERIENCE

Peerplays | usetoto.com

Aug. 2025 – Present

Founding Engineer

Canada, Remote

- Owned usetoto, a civic-engagement platform for Canadian citizens - Next.js UI, Go APIs, and full AWS ownership from networking through deployment over the edge
- Ran Typescript and concurrent Go lang services on **AWS Fargate**; designed the networking pipeline separating internet-facing ingress from internal private subnets
- Scaled the public edge with Cloudflare CDN and Turnstile; tuned Go concurrency with the same discipline as **1BRC** and **Billion-tx** work (goroutines, atomics, pprof)

Johnson & Johnson | howa.so

May 2025 – Aug. 2025

Backend Engineer

United States, Remote

- Owned howa.so, a Johnson & Johnson product serving ~500K users, with Go backends, public edge delivery, and full AWS ownership from networking through deployment
- Wrote **AWS Auto Scaling Group** clients and capacity automation; scaled compute safely under bursty multi-tenant traffic without over-provisioning
- Shipped HIPAA-aligned controls including encryption in transit/at rest, least-privilege IAM, audit logging, and PHI-safe paths, with Redis-backed Go/TypeScript APIs

PROJECTS

Devin.ai | [live](#) | [github](#)

- Built a self-hosted AI coding platform: **AWS EKS** control plane, **Firecracker** microVMs for isolated execution; Cursor/Claude Code run headlessly, stream progress over SSE, and open PRs into GitHub
- Wrote the Go Lang hard layer—Sandbox/FirecrackerMachine CRDs, host-pool selection, CNI (fcnet), and warm-snapshot restore in ~**300ms** vs 08-12s cold boots, plus greenfield **Next.js** runtime images
- Fixed a runtime HTTP contract (/run, /git/*, /events) so the orchestrator never shells hosts; secrets via **HashiCorp Vault**, infra via **Terraform**

Metaverse.io | [live](#) | [github](#)

- Open-source Gather.town-style spatial workplace - **Next.js** client with proximity A/V via mediasoup (SFU) + WebRTC so peers only connect when nearby, cutting unnecessary media fan-out
- Built **Go** signaling and presence fan-out for real-time room state; shipped GitOps deploys with Argo CD on Kubernetes (plus a dedicated VPS path)

Vibecheck | [link](#) | [github](#)

- Platform Engineering via Go CLI for AI git workflows before Claude Code / Cursor CLI dominance, with **25K+ downloads**, **200+ stars**, OpenSSF Scorecard 9.4/10, and Go Report Card A+

SKILLS

Languages: Go, TypeScript, **Next.js**; **Realtime:** WebRTC, mediasoup (SFU); **Systems:** Firecracker, Linux, CNI, concurrency, pprof; **Backend:** PostgreSQL, Redis, HTTP/SSE; **Cloud:** **AWS EKS**, Fargate, ASG, VPC, Docker, Argo CD, **Terraform**, **Vault**; **Edge:** Cloudflare CDN, Turnstile; **Compliance:** HIPAA; **Observability:** Prometheus, Grafana

EDUCATION

Vidya Jyothi Institute of Technology

2022 – 2026

B.Tech in Artificial Intelligence & Data Science (CGPA: 7.5)

Hyderabad, India