

# Ory Band

Staff / Principal Backend Tech Lead – Distributed Systems & Data Platforms

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## VALUE PROP

Hands-on architect and tech lead who has shipped **large-scale, data-intensive backends** (up to **1B req/day**) and led teams through design → production → observability. I turn messy, high-load systems into measurable, reliable platforms—and upskill the people around me while doing it.

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## CORE STRENGTHS

- **Distributed Systems & Scale:** Scheduling 100M+ daily CPU/IO tasks, global streaming/ETL pipelines, HA/low-latency microservices.
  - **GenAI & Agentic Systems:** Built production multimodal CoT agents, designed MCP-based “natural language CMS” for ops; early adopter of AI-first day-to-day, Cursor/Claude Code, etc.
  - **Technical Leadership:** Own end-to-end delivery, mentor and level-up engineers, drive cross-team initiatives (observability, cost, velocity).
  - **Deep Debugging & Metrics:** Instrument-first mindset; design KPIs, dashboards, alerting, and incident processes across services.
  - **Rapid Domain Mastery:** Crypto, security, networking, ML/GenAI backend basics—ramp fast, teach others.
  - **Primary stack:** Python, Go, Clojure, Bash (also JS, C/C++, Java, Solidity).
- Cloud/Data:** AWS, GCP; BigQuery, BigTable, PostgreSQL, MongoDB, Elasticsearch; Kafka/RabbitMQ; K8s, Terraform, Docker; Prometheus, DataDog, OpenTracing.
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## SELECTED IMPACT

- **1B req/day streaming pipeline** (Golang on GCP) with near-real-time analytics into BigQuery/ES/Prometheus.
  - **Open-sourced** high-throughput BigQuery writer ( [go-bqstreamer](#) ) → ~130 stars; acknowledged by Google BigQuery core engineers.
  - **100M+ tasks/day scheduler** for CPU/IO-heavy jobs—cost-aware, resilient, observable.
  - **Production GenAI agentic backend** serving 200K req/min; introduced multimodal CoT reasoning for a creative content backend.
  - **2× team velocity** by driving migration from IntelliJ to AI-first IDEs (Cursor) across a 12-engineer group.
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## EXPERIENCE

### 2025 – Present · Stealth · Senior Tech Lead / Backend Architect

- End-to-end owner of a **GenAI agentic backend** (multimodal CoT reasoning). Peak **200K req/min**.
- Designed and implemented an **MCP-based NL interface** replacing a point-and-click CMS for ops teams.

## 2020 – 2025 · **CyCognito** · **Hands-on Tech Lead, Backend**

- Lead engineer in a ~12 person backend group; fully hands-on.
- Owned multiple data-processing/insight services, from design to production SLOs.
- Built KPI monitoring/alerting stacks across projects; drove incident response maturity.
- Mentored engineers; led adoption of AI tooling and modern dev practices.

### Key Wins

- Intelligent scheduler for **100M+ daily tasks** (CPU/IO heavy).
- High-impact customer data discovery/exposure system.
- Cross-system KPI extraction & escalation framework.

## 2014 – 2020 · **Kin / Kik (Crypto & Messaging)** · **Tech Lead, Backend**

- Designed/implemented decentralized systems & smart contracts (Ethereum: token, multisig, vesting, testing).
- Deployed/maintained multiple blockchain networks (prod/research/test) on cloud infra.
- Internal go-to for blockchain consensus, incentives, spam mitigation.

### Rounds (acquired by Kik) – Backend Engineer

- Implemented group video backends; benchmarked & optimized infra costs at scale.
- Owned event streaming + ETL pipeline (Golang, GCP). **~1B req/day, 700K req/min**.
- Built distributed monitoring stack with Prometheus + Influx/Telegraf.

## 2011 · **Venvid** · **Full-Stack Engineer**

Web-based video editor (frame-accurate) + Android video app (PhoneGap). Python/Django/Flask.

## 2009 · **PeerTV** · **Embedded C/C++ Engineer**

Set-top box media center – client-side + backend.

## 2006 – 2009 · **IDF Intelligence** · **Backend Engineer (R&D)**

Researched VoIP/messaging protocols; integrated into internal military systems.

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## EDUCATION

### B.Sc. Mathematics & Computer Science – Ben-Gurion University (2011–2014)

- Graduate-level ML course: AdaBoost, SVM, Perceptron; Scikit-learn/SciPy/NumPy.
- **MapReduce via browsers/mobile** proof-of-concept: 100K tasks dispatched to WebWorkers/WebSockets; Golang master.

Repo: [github.com/oryband/go-web-mapreduce](https://github.com/oryband/go-web-mapreduce)

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## COMMUNITY & OPEN-SOURCE

- **Public Knowledge Workshop (2009–2019)**: Designed/implemented open-source gov data scrapers & search tools (e.g., Israeli State Comptroller reports semantic analysis).
- **PyWeb-IL member (2009–2017)**; Indie game dev community contributor.
- Blog/Medium writer; frequent internal talks and brown-bags.

## ROLES I'M TARGETING

Staff/Principal Backend or Platform Architect roles where I own critical systems and cross-team initiatives. Prefer on-site TLV teams; human-first culture, real ownership.

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## INTERESTS

Guitar & piano, sci-fi 🚀, city cycling, experimenting with new tech.