

Ryan Omar Alkochari

Software Engineer — Oslo, Norway

ryanomar.com · github.com/ryanalkochari · LinkedIn

PROFILE

Software Engineer building and operating production systems used by real users, with a focus on correctness, security, accessibility, and explicit architectural trade-offs.

SELECTED SYSTEMS

Learning Content Pipeline

- Production-grade backend pipeline for ingesting and processing educational content
- Designed for reliability, idempotency, and observability
- GitHub: <https://github.com/ryanalkochari/learning-content-pipeline>

Auth Policy Engine

- Policy-driven authorization system with explicit deny semantics
- Designed for auditability and least-privilege access
- GitHub: <https://github.com/ryanalkochari/auth-policy-engine>

Learning Analytics Engine

- Event-driven analytics system with privacy and data minimization built in
 - Explicit trade-offs between insight and compliance
 - GitHub: <https://github.com/ryanalkochari/learning-analytics-engine>
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EXPERIENCE

Founder / Software Engineer

Next Utdanning AS — Oslo, Norway (2020–Present)

- Full ownership of platform architecture, development, deployment, and operations
 - Built WCAG 2.2 AA-compliant learning systems
 - Implemented Zero-Trust security with RLS, MFA, and audit trails
 - Designed GDPR-compliant telemetry reviewed in external audit
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EDUCATION

Business Economics — One-year program

Additional coursework in Psychology (70 ECTS)