

Jimmy Pettersson

LEAD ENGINEER · BACKEND

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Summary

Hands-on Lead Engineer on Stream's Feeds team, with 15 years building high-scale backend systems in Go. Recently shipped Feeds v3 (peak 16k RPS, sub 10ms hot path) and led a zero-downtime AWS to GCP migration, with Feeds serving 2B+ API calls/month across v2 and v3. Earlier roles at Oxide, eBay, and Expertmaker covering platform architecture, ML-backed services, and data pipelines.

Work Experience

Stream.io

Remote

LEAD ENGINEER, FEEDS

Feb. 2023 - present

- Designed and shipped Feeds v3, modernizing a dated architecture, delivering enterprise-requested features, improving performance and scale, and increasing margins versus v2 (Go, Postgres, Redis, TiKV, Kubernetes); peak 16k RPS, sub 10ms hot-path latency, 2B+ API calls/month across v2 and v3.
- Took over Feeds v2 (the company's first product) and ramped a new team onto it.
- Hands-on team lead: mentoring, performance reviews, and hiring across multiple teams.
- Rebuilt moderation from an in-house, Chat-only add-on into a standalone API powered by third-party models, integrated with both Chat and Feeds.
- Migrated Feeds v3 from AWS to GCP via a zero-downtime traffic cutover, with most production data already backfilled or streamed live.

Oxide AB

Malmö, Sweden

HEAD OF ENGINEERING

Apr. 2020 - Feb. 2023

- Built a large-scale data acquisition platform (Go, Docker, Airflow, AWS) with de-duplication and orchestration across heterogeneous sources.
- Processed petabytes of Common Crawl data into an AI search backend (Go, Node.js, Python, Postgres, Docker).
- Developed a secure, publicly available KYC API (Go, AWS/API Gateway, AWS/Lambda, AWS/S3) for external clients.
- Helped develop and deploy a system for automated risk analysis (Python, Docker) in the financial sector in a joint project.

eBay

Malmö, Sweden

SOFTWARE ENGINEER

May 2016 - Apr. 2020

- Developed and deployed vector space models (Go, Docker, Docker Swarm, Redis) for identifying products in vast search spaces to enable deduplication and matching of listings.
- Implemented and deployed several API microservices (Go, HTTP/gRPC, Docker, Kubernetes) to expose internal ML models, serving hundreds of millions of requests per day.
- Built monitoring/alerting (Grafana, Prometheus) and CI/CD for training and deploying ML models (GitHub Enterprise, Go, shell script).
- Received a SPOT Award (2019) for Moonshot Phase 1.

Expertmaker AB

Malmö, Sweden

SOFTWARE ENGINEER / DATA SCIENTIST

Apr. 2011 - May 2016

- Developed a personalized coupon recommender: public REST APIs and ML models with high availability and auto-scaling (AWS, Go, Python, Redis, statistical models, genetic algorithms).
- Developed ML algorithms (Python, statistical modeling) for a personalized news feed system.

Skills

Programming	Go, Python, JavaScript, Shell
Back-end	REST, gRPC, PostgreSQL, Redis, TiKV, Node.js
DevOps	Kubernetes, Docker, AWS, GCP, CI/CD, Prometheus, Grafana, Datadog, Airflow
ML	Statistical modeling, NLP, Neural networks
AI tools	Cursor, Claude Code, custom agent skills
Languages	Swedish, English

Education

Lund University, Faculty of Engineering

Lund, Sweden

MASTER OF SCIENCE IN ENGINEERING, ENGINEERING MATHEMATICS

2006 - 2011

- Master's thesis: Contextual text classification for parametric mappings in a distributed search engine