Jakub Zieliński Staff Software Engineer

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PROFILE SUMMARY

- **Staff Software Engineer** with **9 years** in **backend and logistics systems**, setting the technical direction for order-to-rider assignment at Delivery Hero across 4 teams, with no direct reports.
- Writes **Go** and Java on **AWS** and Kubernetes, with PostgreSQL, Apache Kafka and Redis behind the dispatch services, Terraform for infrastructure and Datadog for monitoring.
- Strongest in **event-driven design**, **zero-downtime migrations** and **latency work on hot paths**, using short RFCs and load tests to settle a design before any team commits to building it.
- Plans each quarter with 4 engineering managers, the logistics product lead and the dispatch algorithms team, and represents logistics at the monthly platform architecture review.
- Mentors 3 senior engineers, wrote the on-call handbook for the logistics teams and runs the monthly Go meetup for engineers across the Berlin office.

TECHNICAL SKILLS

Languages:	Go, Java, Python, SQL
Distributed Systems & Design:	System Design, Event-Driven Architecture, gRPC, Geospatial Indexing (H3), Caching
Cloud & Infrastructure:	AWS (EKS, SQS), Kubernetes, Terraform, Docker
Data & Messaging:	PostgreSQL, Apache Kafka, Redis, Amazon DynamoDB
Reliability & Observability:	SLOs, Incident Command, Datadog, OpenTelemetry, k6
Build, CI & Developer Tooling:	GitHub Actions, Argo CD, Testcontainers
Technical Leadership:	RFCs, Design Docs, Architecture Reviews, Mentoring

EDUCATION

Warsaw University of Technology — **M.Sc. in Computer Science** — Warsaw, Poland · Oct 2012 to Jul 2017

WORK EXPERIENCE

Delivery Hero — **Staff Software Engineer, Logistics** — Berlin, Germany · Apr 2022 to Present

- Wrote the RFC that set the 2-year plan for rider dispatch, replacing country-specific assignment code with one shared service that 4 teams build on, and retired **6 legacy services** by mid-2025.
- Led the switch of order-to-rider assignment from database polling to Apache Kafka events across 4 teams, using shadow traffic and country-by-country cutovers to move **11 countries** with no missed orders.
- Rewrote the hot path of the assignment service in Go, swapping per-request geo lookups for an H3 grid cache in Redis, and cut p99 assignment time at dinner peak from 4.2 s to **0.9 s**.
- Set SLOs and alerting rules for the 23 logistics services and took incident command on the worst dispatch outages, bringing Sev-2 incidents down from 12 a quarter to **5**.
- Coach 3 senior engineers through their first cross-team RFCs and design reviews, and co-wrote the promotion cases with their managers that took **2 of them** to Staff in 2025.

SoundCloud — **Backend Engineer to Senior Backend Engineer** — Berlin, Germany · Jul 2017 to Mar 2022

- Built a shared Go library for service-to-service auth, retries and timeouts that replaced 4 homegrown clients, and got it into **31 services** across the backend teams in a year.
- Worked with the uploads product manager to split track processing into separate queued stages in Scala, cutting failed uploads from 2.3% to **0.6%** of new tracks.
- Moved the play-count service from one overloaded MySQL host to sharded PostgreSQL, cutting p95 query time for artist dashboards from 1.8 s to **210 ms**.