

KRYSTIAN HANEK

WORK EXPERIENCE

I am a developer with over 10 years of experience. I spent most of my professional time at Aptension, a software house based in Poznan, where I worked on all kinds of projects based on Django framework, often Celery, and AWS cloud solutions, including AWS ECS, RDS, SQS, Lambda functions. I have worked with different teams from different countries like USA, UK, South Africa and Poland.

I started my career in a startup, where I had the opportunity to learn from the ground up and build my technical skills on the challenges that were put in front of me.

CONTACT

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 Poznań, Poland

EDUCATION

Master of Engineering in Information Technology

Adam Mickiewicz University in Poznań
2012 – 2014

Licentiate in Physics, specialization in Applied Computer Science

Adam Mickiewicz University in Poznań
2008 – 2012

Technical Focus (Backend-first)

Backend:

- API design, business logic
- data modeling, authentication & authorization
- performance optimization

Cloud (AWS):

- Infrastructure as Code (AWS CDK)
- serverless & managed services
- monitoring & observability

Architecture:

- Microservices
- modular monoliths
- event-driven components

Quality & Reliability:

- Unit, integration tests
- Volume, and load testing; traffic spike handling

Aptension

LEAD BACKEND DEVELOPER / TEAM LEADER November 2020 – Present

LEAD BACKEND DEVELOPER November 2018 – November 2020

BACKEND DEVELOPER May 2017 – November 202018

As a Senior Backend Developer at Aptension, I designed, developed, and evolved backend systems for multiple production-grade applications, with a strong focus on scalability, performance, and reliability. I worked primarily on API design, business logic, data consistency, and system integrations, while leveraging AWS to support deployment, scaling, and observability needs.

I took ownership of backend architecture across several projects, designing modular and testable systems, defining data models, and ensuring high code quality. Cloud services and Infrastructure as Code were used as enablers for backend reliability rather than the primary goal, allowing backend systems to scale efficiently and operate predictably in production.

In addition to hands-on backend work, I provided technical leadership for a team of up to four engineers. I supported individual development goals, conducted regular feedback sessions, contributed to performance and annual review processes, and helped maintain high engineering standards and team motivation.

Selected projects:

- **DMW** - Designed and maintained backend services and authorization mechanisms for a production system. Owned cloud infrastructure using AWS CDK to support secure deployments, horizontal scaling, and stable runtime environments. Implemented reporting components tightly coupled with backend domain logic
- **Internal SaaS Boilerplate** - Introduced backend observability by integrating Prometheus and Grafana, enabling deeper insight into application behavior, performance bottlenecks, and error patterns in production.
- **Kandua (formerly Home+), Santam** - Designed backend architecture and data flows for a serverless, microservice-based system. Implemented inter-service communication, domain-driven service boundaries, and integrations with external providers (payments, utilities, emergency services).
- **World Expo, Dogstudio** - Implemented backend features including database schema evolution, API development, and AWS Elasticsearch integration. Focused on data querying, performance, and maintainability in a TypeScript-based backend.
- **Questpass (formerly Adquesto)** - backend systems supporting advertising platforms by introducing new media types (video), integrating AWS MediaConvert, and enhancing reporting and analytics endpoints. Optimized backend systems to handle high and unpredictable traffic peaks through caching strategies, architectural improvements, and systematic load testing. Designed and executed performance and stress testing scenarios.
- **LESS_ (formerly CountMe)** - Built and evolved backend APIs for personalized content, payments, and verification workflows. Implemented and later migrated authentication mechanisms (Auth0 → custom solution). Improved system resilience through backend optimizations and comprehensive testing.