

I specialize in building production-grade, globally scalable and secure systems. I've worked with various cloud providers (GCP, AWS, DigitalOcean), primarily with Go, Python and JavaScript. I thrive working in fast-paced startup environments.

## Work Experience

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**Head of Engineering** **Opinary GmbH** **Sep 2020–Present**  
Berlin, DE

- Introduced a formal on-call rotation, resulting in reducing the MTTR down to 20 min.
- Negotiated a cost-free architecture change with our Cloud Provider. During which we migrated all the Data Science services from Kubernetes to Cloud Run, reducing the time to generate a recommendation from 20 seconds to a second, and realized a 50% cost reduction.
- Improved the retention rate for FTEs by introducing and adopting engineering career levels. As a result, the engineering team was doubled.
- Created the interviewing process for software engineers, and later optimized it to under 8 business days.

**Software Engineer** **Opinary GmbH** **2018–2020**  
Platform team Berlin, DE

- Reduced the analytics ingestion latency from 170ms to 20ms in the 99th percentile.
- Improved the data aggregation pipeline orchestration and reduced the error rate by 32% by moving over to airflow and BigQuery.
- Increased the company margin from 40% to 84% by implementing a real-time analytics pipeline for A/B testing the ML models responsible for distributing the advertisement.
- Migrated all the core infrastructure and data at rest to the EU - ensuring the company is 100% GDPR-compliant.

**Software Engineer** **NewStore Inc.** **2017–2018**  
Payments Team Berlin, DE

- Enhanced customer onboarding and streamlined PSP (e.g., Stripe, PayPal, Adyen, etc.) integration by exposing a serverless abstraction layer using Compensating Transactions, resulting in greater platform adaptability and enabling support for a wide range of future clients through outsourced integrations.
- Worked closely with the Professional Services and Integrations team, ensuring the successful launch of several large customers on the platform.
- Actively participated in the on-call rotation for teams outside our domain, contributed various fixes to the inventory ingestion and back-office reporting applications.
- Developed a phone-to-phone payment system for in-store purchases, enabling the company to pursue several key clients. The system was deployed and later patented.

**Software Engineer / Consultant** **Pentalog** **2016-2017**  
Chisinau, MD

- Developed and maintained the payment and inventory systems as a consultant for an e-commerce platform.
- Improved the client satisfaction rates to over 8.3 NPS by being part of the interviewing process for the open roles and actively coaching new joiners.
- Organizer and speaker at the International Pentalog Afterwork meetup.

## Education and Certifications

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- **B.Sc. Computer Science**, Technical University of Moldova, Chisinau. **2012–2016**

## Technologies and Languages

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- Languages: Go, Python, JS
- Technologies: MySQL, Postgres, AWS, GCP, GitHub Actions, Pub/Sub, Kubernetes, Terraform, NATS

## Patents

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- **System and method for point of sale transactions using wireless device with security circuit**  
— NewStore Inc. Patent number: [US2019205859 \(A1\)](#)