Yerevan, Armenia
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Work Experience

Principal Software Engineer   **Kuper** (Remote)   **2023 - 2025**

Order Processing & Payments Unit

- Led the architectural transformation of the Cart service, migrating 99% of mobile users from the Rails monolith to a Go-based service. Cut latency by 70% and slashed infrastructure costs by 75%, ensuring a smooth 2024Q4 season.
- Architected and guided a year-long zero-downtime migration from the Rails monolith to the Content Platform. Reduced content update delays from 3-6+ hours to 30-180 seconds.
- Drove cross-team optimizations, enabling the system to handle 3–6x throughput while preventing service degradation or outages amid continuous traffic growth.
- Mentored teammates on architecture and system design while supporting cross-team feature integration.

Staff Software Engineer   **Kuper** (Remote)   **2021 - 2023**

- Architected and implemented payment preauthorization in 1.5 months, driving $15M+ GMV impact in 2022.
- Designed and developed key components of the new "Ready to Eat" business line, driving over 10% of total GMV.
- Orchestrated 10+ Event Storming sessions, defining service boundaries to streamline domain segmentation.
- Optimized storage by reclaiming hundreds of GB, cutting costs and boosting performance.

Lead Developer (Personal Loans)   **Rocketbank** (Moscow, Russia)   **2019 - 2021**

- Launched Rocketbank's first credit product, Rocket Advance, in under 3 months.
- Built an in-house CQRS/event-sourcing framework and domain-driven loan system.
- Developed a multi-step application decision engine, optimizing loan approvals.

CTO   **Potok.Digital** (Moscow, Russia)   **2017 - 2019**

- Led technical strategy, making the company self-sufficient in 2 years.
- Transformed departments into agile SCRUM teams, improving delivery speed by 20-40%.
- Set and enforced quality standards, reducing outages by 70% and boosting deployment success.
- Recruited and built a high-performing team, scaling to 20 engineers and driving key product launches.

Senior Ruby on Rails Developer   **Potok.Digital** (Moscow, Russia)   **2017 - 2018**

- Resolved a critical tech crisis, restoring stability and ensuring uninterrupted operations.
- Led development and launch of the flagship feature—continuous reinvestment, driving 70% client retention.
- Promoted to CTO, recognizing leadership and technical impact.

Lead Developer and Co-Founder   **Altread**   **2015 - 2017**

- Developed a sophisticated money distribution system from scratch using Ruby on Rails and MongoDB.

Fractional CTO   **3waytalk**   **2015 - 2016**

- Initially hired for a pre-launch independent checkup, I transitioned into a part-time CTO role.

Lead Developer   **Mail.Ru Group**   **2012 - 2015**

- Led backend development for the BrightCam photo editing app (bcam.mobi), reaching 10M+ Android installs.

Lead Developer   **Pokupanda**   **2010 - 2012**

- Led the development and launch of a new service version within 3 months, managing a small team.

Independent Software Developer   **2004 - 2010**

- Developed, launched, and maintained 30+ projects, delivering full-stack solutions across industries.

Technologies and Languages

- Languages: Ruby, Go, PHP, JavaScript
- Databases: PostgreSQL, MySQL, MongoDB, Redis, RabbitMQ, Apache Kafka
- Technologies: Docker, Kubernetes, Rancher, Apache, Nginx
- Other: Hands-on Technical Leadership, Software Architecture, Domain-Driven Design (DDD), Systems Design, Event Storming

Education and Courses

- **Specialist Degree in Computer Science,** North-Caucasus State Technical University.   **2013 - 2014**
  (5-year program, M.Sc. equivalent)

Interests

- I engineer espresso (built a custom pressure reader for my Flair 58 – see the projects section) and explore hundreds of new music albums yearly.

Projects

- **m×coffee – DYI alternative to Smart Espresso Profiler**
  https://github.com/focusshifter/mXcoffee
  A C++-based, ESP32/M5Stack-powered system that measures piston pressure, shot time, and shot weight, integrating with popular coffee apps. Built for under $200, making precision espresso on manual lever machines more accessible.