

# Tigran Kostandyan

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## SUMMARY

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Backend engineer based in **Yerevan, Armenia** with 7+ years of experience building high-scale, real-time, and data-intensive systems across fintech, infra, and AI-driven tooling. Founding engineer in multiple startups (Rent.app & Property.app), designed high-throughput payment and compliance systems, and worked at Datafold on an AI-assisted SQL transpiler used by enterprise customers.

## SKILLS

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Languages & Frameworks	Python, Golang, Node.js, FastAPI, Django, Flask, Asyncio, Express.js, Fastify, Nest.js
Datastores/Databases	PostgreSQL, Redis, MongoDB, ClickHouse, MySQL, Snowflake, Redshift, SAP HANA
Messaging	Celery, RabbitMQ, Kafka
Cloud & Infra	AWS (S3, Lambda, RDS, EKS, ECS, Fargate), Docker, Kubernetes, Terraform, GitHub Actions, Gitlab CI, ArgoCD, Kustomize, Nginx
Observability	Grafana, Prometheus, OpenTelemetry, Datadog, PagerDuty, Loki
Domain Expertise	Payment processing, ACH/card networks, AML/Fraud detection, ETL systems, real-time services

## WORK EXPERIENCE

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### Senior Software Engineer – Datafold (Remote)

June 2025 – Present

Datafold builds a reliability toolkit for data engineers – with tools for automated diffing, cross-database validation, lineage, and CI for data. I worked on the new AI-powered SQL migration & transpiler platform, enabling enterprise customers to migrate from SAP HANA to Databricks safely and automatically.

- Built core components of an AI-assisted SQL transpilation engine supporting complex OLAP patterns, window functions, and HANA-specific syntax
- Designed and implemented an extremely fast bulk data copier using S3 + Parquet + Databricks COPY INTO
- Developed prompt-engineering chains, validators, and reliability guards to improve accuracy of LLM-generated SQL
- *Stack: Python, FastAPI, Databricks, SQLAlchemy, SAP HANA, S3, Parquet, Redis, Docker, Kubernetes, GitHub Actions, AWS Bedrock, Claude, OpenAI models*

### Founding Software Engineer – Rent.app, Property.app (Remote)

Jan 2023 – June 2025

One of the first founding engineers at Property.app and Rent.app. Property.app is a comprehensive platform designed to help property owners manage, finance, and monetize their real estate assets. Rent.app is a secure platform that allows tenants to make rent payments directly to their landlord's bank account, eliminating the need for checks or cash, with no fees or limits.

- Led small cross-functional teams in the implementation of key features, overseeing the development process and coordinating efforts to deliver high-impact projects
- Contributed to the integration of the first banking provider, helping establish secure and efficient rent payment processing
- Implemented AML (Anti-Money Laundering) checks and other antifraud mechanisms to ensure compliance and protect users

- Developed and maintained internal tools to streamline the release process and improve operational efficiency
- Contributed to the development and optimization of CI/CD pipelines
- Integrated observability stack (Datadog, PagerDuty) for production services
- *Stack: Python, FastAPI, Django, PostgreSQL, Redis, Celery, Kubernetes (Kustomize, ArgoCD), Terraform, Datadog, GitHub Actions, AWS*

### **Senior Backend Engineer – Improvado (Remote, contract)**

Sept 2022 – Jan 2023

Improvado is a data aggregation and analytics platform that helps businesses streamline their marketing data by automating the process of collecting, transforming, and visualizing data from multiple sources.

- Designed and implemented high-throughput data pipelines to aggregate and normalize large datasets
- Optimized ETL processes to ensure high performance, reliability, and scalability of data transfers
- Managed and maintained databases, ensuring data consistency and integrity
- Set up CI/CD for various microservices and migrated old ones from Jenkins to Github Actions
- Designed and implemented a new Kubernetes deployment layout for Celery app using Kustomize and Terraform
- *Stack: Python, Django, FastAPI, Asyncio, PostgreSQL, Redis, RabbitMQ, Snowflake, RedShift, MySQL, ClickHouse, Docker, Kubernetes, Jenkins, Github Actions*

### **Early Career Projects / Freelance & Fullstack Roles (Remote)**

July 2018 – Sept 2022

- **pro.rbc.ru** – Media platform providing trends in investment, marketing and management. Built an extensive and reliable mailing system for marketing, led big features in the billing department (promocodes), developed the API (including search) for articles using Elasticsearch
- **Catch (thrilling stories)** – Chat story app with over 1M MAU. Implemented audio stories and podcasts, maintenance work for Erlang/Cowboy app
- **visaoffice.eu** – Visa and consulting services agency. Built the first version alongside CTO, fullstack (Stimulus.js and Django templates)
- *Stack: Python, Go, Django, FastAPI, Asyncio, PostgreSQL, Redis, RabbitMQ, Kafka, ELK*

## **EDUCATION**

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### **2018 – 2022 Bachelor's degree in Applied Mathematics and CS**

Lobachevsky State University – Nizhny Novgorod, Russia

*Thesis: The Use of Compartmental Models in Forecasting SARS-CoV-2 (COVID-19)*

## **LANGUAGES**

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Russian	Native
Armenian	Native
English	Advanced