

# Artem Roma

*Software Engineer*

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**in** artem-roma

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## Profile

I am a skilled software engineer with 10 years of experience in building product platforms and web applications. Throughout my career, I have successfully delivered products in diverse and multicultural teams.

I have a goal-oriented mindset and value the same in my colleagues. I enjoy deeply engaging with the product, understanding customer needs, and ensuring high-quality support after release.

I am drawn to organizations that prioritize trust and transparency, as I believe they create a positive and collaborative work environment.

## Technical Skills

- Go, Python
- Gin, FastAPI, Flask, SQLAlchemy, AsyncIO
- REST, GraphQL
- Docker, Kubernetes, Flux CD
- CircleCI, Jenkins
- PostgreSQL, Redis
- AWS - Lambda, Athena, S3, Glue, Redshift, Aurora, Kinesis, CloudWatch, Route53 etc.
- Terraform
- Graphana

## Experience

2020–2023 **Very Good Security**, *Platform/Services team*, Sr. Software Engineer, Developing a platform for the payment processing and compliance assurance product

- Achievements

- Built the company billing system
  - designed the architecture for billing related part of the platform
  - designed and implemented custom batch data processing micro-framework (Python)
  - implemented support of 4 iterations of the company billing model
  - implemented a variety of data connectors with PSPs and RevOps platforms.
  - implemented a variety of back-end serviced to facilitate customer facing billing reporting and spending control functionality.
  - designed and implemented a variety of the data processing flows for the internal business analytics purposes.
  - automated a number of various manual billing book-keeping processes for the sales department.
  - automated billing data integrity checks
- Implemented a compliance checker service.
- Participated in the design, implementation, support and extension of a cloud based data warehouse solution.

- Technology stack and 3rd party

- AWS - S3, Athena, Glue, RDS, Aurora, Redshift, Kinesis (limited), EKS, Athena
- Python - Flask, FastAPI, Boto3, HTTPX, Ariadne, Pytest, Poetry
- Docker, docker-compose, Kubernetes, Helm, FluxCD
- PostgreSQL, Redis, Presto
- Vector, Kafka (limited)
- CircleCI
- Protobuf
- OpenTelemetry, Prometheus, Graphana
- Terraform
- Stripe, RevOps, HealthCheck, PagerDuty, Rollbar, etc.

2017–2019 **DataRobot**, *Platform squad*, Software Engineer, Focused development of the platform for the automated ML model training product

- Achievements

- Implemented the platform extension to support the Docker worker based environment
- Optimized the in-house functional testing framework - reduced the time of the daily runs.
- Automated migration of the ML models training data sets from a SQL based to time series data store.
- Focused participation in design and implementation of the next version of the platform
- Extended the next version of the platform to support the clean up actions for cloud based environments.

- Technology stack and 3rd party

- AWS - EC2, EKS
- GCP - GKE
- Docker, docker-compose, Kubernetes, helm
- Python - stdlib, Pytest, Boto3
- PostgreSQL, Redis
- Logstash, Elasticsearch, Kibana
- Linux packaging

- 2017 **SoftServe Inc.**, Software Engineer in Golang, Build an E-Commerce Platform
- Achievements
    - Designed and built a high-load e-commerce platform.
  - Technology stack and 3rd party
    - Go - Gin, Gingko, Templating, SQL.
    - Docker, docker-compose, Kubernetes
    - PostgreSQL
    - Logstash, Elasticsearch, Kibana
- 2013–2017 **Mirantis**, *Fuel RnD team*, Software Engineer [Go, Python], Build a platform for OpenStack cluster management on customer infrastructure
- Achievements
    - Implemented a Kubernetes operator for managing custom IP address assignment
    - Implemented the connectivity check component for the Kubernetes installation framework
    - Integrated a variety of test drivers for the OpenStack cluster testing component
    - Implemented custom IP address management extension for a network manager component of the Fuel framework
  - Technology stack and 3rd party
    - Go - network programming, Kubernetes API SDK.
    - Project Calico - network mesh.
    - Python - stdlib, Pytest, nosetest, network programming
    - OpenStack
    - Docker, docker-compose, Kubernetes, helm
- 2013 **Speedflow**, *Communications team*, Software Engineer, Build platform for VoIP class 4 softswitch product  
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## Education

- 2012–2013 **Specialist degree in Computer Engineering**, *Kharkiv National University of Radio and Electronics*
- 2008–2012 **BSc in Computer Engineering**, *Kharkiv National University of Radio and Electronics*

## Languages

English	Upper-intermediate
Ukrainian	Native

## Interests

- Product delivery
- Distributed systems
- Data intensive systems and data platforms
- Observability
- Developer tooling
- Product management