

# Artem Roma

Software Engineer

Lviv

Ukraine

+38 (050) 047 0891

fuzzy.finder@gmail.com

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

- Python (Proficient), Go (Previous experience)
- FastAPI, Flask, SQLAlchemy, AsyncIO
- REST, GraphQL
- Docker, Kubernetes, Flux CD
- Argo Workflows, GitHub Actions, CircleCI, Jenkins
- PostgreSQL, Redis
- AWS - Serverless (Lambda, Step Functions), Athena, S3, Glue, Redshift, Aurora, Kinesis, CloudWatch, Route53 etc.
- Terraform, AWS SAM
- Graphana

## Experience

2024-present **Myrror.Security**, *Detection Engine team*, Sr. Software Engineer, Developing a platform for vulnerability analysis of open source packages

- Achievements
  - Successfully integrated a number of software vulnerability and security risk analysis data sources into the platform. E.g. OSV, NVD.
  - Designed and implemented a number of processing pipelines to facilitate scanning of consumer's code and dependencies for vulnerabilities.
  - Implemented a cost optimization strategy for the cloud based (AWS) data processing engine.

- 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.
- 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.
- 2013–2017 **Mirantis**, *Fuel RnD team*, Software Engineer, Build a platform for OpenStack cluster management on customer infrastructure
- Achievements
    - Integrated a variety of test drivers (e.g. Pytest) for the OpenStack cluster testing component
    - Implemented custom IP address management extension for a network manager component of the Fuel framework
    - Implemented a Kubernetes operator for managing custom IP address assignment
    - Implemented the connectivity check component for the Kubernetes installation framework
- 2013 **Speedflow**, *Communications team*, Software Engineer, Build platform for VoIP class 4 softswitch product  
NDA

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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*

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## Languages

English	Upper-intermediate
Ukrainian	Native

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## Interests

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