

Artem Roma

Software Engineer

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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 (1.5 years of commercial development))
- Kubernetes API, Calico, Gin, Ginkgo, Gorm
- 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
- Grafana

Experience

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

- Achievements
 - Successfully integrated several software vulnerability and security risk analysis data sources into the platform. E.g. OSV, NVD.
 - Designed and implemented several 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 billing system for the company
 - designed the architecture for the 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 services to facilitate customer-facing billing reporting and spending control functionality
 - designed and implemented a variety of data processing flows for the internal business analytics purposes
 - automated several 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 an SQL base to time series data store.
- Focused participation in the design and implementation of the next version of the platform.
- Extended the next version of the platform to support the clean-up actions for the cloud based environments.

Apr. 2017 - **SoftServe**, Software Engineer (Go), Build e-commerce platform

Nov. 2017 ○ Achievements

- Designed and developed the backend for the e-commerce platform
- Implemented a recommendation engine for the platform

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 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

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