Maksim Averin

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I am a backend developer with 7 years experience working in startups, and big corporations. Led small teams up to 5 persons and created 2 startups in a role of founder/product manager. One of them was an analytical platform for marketplaces with 15k+ MAU

EXPERIENCE

GoodrRX, Nasdaq: GRDX — Barcelona, Spain, remote
Senior software engineer — *Apr 2023 - now*

- Made migration of authorization module from legacy Python monolith to a new Golang microservice (accounts-api). Successfully completed the transition in 9 months with a team of 4 and deployed to over 2mln+ users without bugs
- Architectured data modellings, services communcation, worked with Auth0 and added routes in TypeScript proxy servie
- Transferred existed cron-jobs from Python to Golang and set up Kubernetes and CI/CD infra for this
- Optimized current AWS DynamoDB queries, sped up in 2 times with batch updat
- Set up PostgreSQL database for accounts-api Golang microservice, added Terraform configs, wrote AWS configs for Aurora DB cluster
- Upgraded Optimizely library, upgraded internal go lib and moved A/B flags for new format
- Implemented integration tests using BDD (behave) for Auth0 proxies api endpoints
- **Technologies**: Golang, Python, Typescript, PostgreSQL, Kafka, Redis, AWS Aurora DB, AWS Dynamo DB, Helm, Kubernetes, Tilt, AWS, Docker, Datadog, Terraform, Ansible, Codefresh

Dex.guru — USA, remote
Senior backend developer — *Oct 2021 - Oct 2022*

- **ETL-pipelines**: Build ETL pipelines with 10GB data per day, refactored whole financial pipeline (candles, analytics, trading terminal) - it gave x1,5 overall speed
- **Data storage**: refactor internal Redis storage, optimize ElastichSearch queries, made custom admin panel for Redis
- **Led data source research**: connect new chains, read DEX papers (uniswap v2, uniswap v3, Curve, 1inch), implement complex algorithms for adding new DEXes in platform
- Wrote and optimized solidity NFT contracts with merkleTree storage for sale
- **Technologies**: Python, FastAPI, ElasticSearch, Redis, RabbitMQ, Solidity, Kibana, Terraform, AWS

X5 Retail Group — Remote
Senior Python developer — *Feb 2020 - Apr 2021*

- Lead backend development of new backoffice financial CRM "Import", made architecture, technical decisions.
- Made JWT-token authorization flow with DRF and event-based system for trading goods
- Paritcipated in developing partners-microservice with FastAPI, MongoDB, Rabbitmq, connected different data sources
- **Technologies**: Python, Django, PostgreSQL, MongoDB, Redis, Celery, RabbitMQ, Asyncio, Docker

Lamoda — Moscow
Middle Python/Golang developer — *June 2019 - Feb 2020*

- Developed several integrations with 3-rd part services, closed dech-debt, dockerized and refactored go/python legacy projects
- Made new golang microservice "Likes" from scratch (including architecture, sql queries, deploy to production and tests), send events across services with Kafka
- **Technologies**: Python, Django, PostgreSQL, Redis, Celery, Docker, Go, Kafka, jsonRpc, Swagger, helm, Grafana

Earlier:

- **BestDoctor**: launched new internal CRM for salesmen, refactored JWT-auth flow for web and mobile, made sql optimizations, integration with different APIs. Tech: Python, DRF, Celery, GraphQL, PostgreSQL. *05/2018 - 05/2019*
- **Zerion**: worked as python dev with Django/Tornado stack. Develop internal services, such as async payment processor for tracking and applying transactions in ethereum, authgateway. Wrote smart contracts with unit-tests. Organized blockchain meetup and workshops *01/2018 - 04/2018*
- **Jetbrains**: summer internship at Stepik.org, made microservice that enables platform material transalations api, *2017*

PROJECTS

- **WB Radar**   Remote
  Co-founder (CPO, CTO)   *Sep 2021 - May 2022*

  - Analytics platform for sellers at Wildberries (top-1 marketplace in Russia, revenue – $ 1.5bil+)
  - **Metrics**: MAU – 15k B2B users, overall userbase: 35k+, 220k notifications sent everyday. More than 50mln orders, sales, warehouse reports in database.
  - **Zero cost marketing**: 150 users comes everyday with 50% conversion leave in product, viral growth, bloggers advertised us for free, NPS - 55
  - **Product**: made 15+ B2B custdevs, market research, built product roadmaps & prioritirezed product features
  - Managed team of 4, hired dev and support, automize support-tools with zero-coding and custom admin-panel
  - **Tech**: launched high-load service from scratch with Python asyncio, Golang message distribution microservice, Celery jobs, PostgresSQL with index optimizations, metrics in Grafana, Docker and DO for deployment

EDUCATION

- **ITMO University**   Saint Petersburg
  Bachelor of Science in Applied Mathematics and Informatics   *Fall 2015 – Spring 2018*

HONORS AND AWARDS

- 3+ Hackathon prizewinner (VK, mABBYYlity, Spring hack) in 2016 – 2019. Roles: Pitcher, Backend, Team leader
- OpenSource at Zulip, gave talk about this experience with slides on SPb Python Meetup 29
- Prizewinner of Russian Team Olympiad in Informatics, 3rd diploma - competitive programming contest at highschool

TECHNOLOGY SUMMARY

- **Languages**:   Python, Golang, Javascript, Solidity
- **Frameworks**:   FastApi, Django, gRPC, GraphQL
- **Tools**:   PostgreSQL, Redis, ElastichSearch, Kafka, RabbitMQ, Celery, MongoDB, Docker, Git
- **Soft skills**: Product managment, Custdevs, CJM, prototyping, market research

LANGUAGES

English (*Advanced*), German (*Pre-intermediate*), Russian (*Native Speaker*)