

Eziz Durdyev

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Most Experienced In:

Python: Flask, FastAPI, SQLAlchemy, pytest, mypy, PEP8.

C/C++: gdb, valgrind, libpcap, Network Programming/Security.

Databases: PostgreSQL, MySQL, MongoDB, Redis.

Monitoring: Datadog, Sentry, Kibana

Others: RESTful APIs, TDD, Agile Scrum, Git, CI/CD, Docker, K8s, Elixir, Golang, Lua.

Experience

Software Engineer at Kiwi.com (Remote)

Dec 2021 - Present

- Contributed to development of RESTful microservices with Python, PostgreSQL as a preferred database. To name some: microservice that communicates with GDSs, microservice that handles refunds.
- Contributed to development of cron-service that periodically checked for price updates, removes flown reservations from queue.
- Developed a CLI app that detects reservations which its passengers did not show up and exports their data into a CSV file so that we could refund them partially.

Backend Developer at 35Up GmbH (Berlin, Germany)

Oct 2019 - March 2021

- Designed and developed RESTful microservices with Python and Elixir, mostly MongoDB as a preferred database. To name some: Order service, Returned Products service, Payment service, Gateway service.
- Developed a wrapper around Python's standard logging module with decorators for logging the time consumed by a function and for logging its parameters. Also developed some other private libraries.
- Developed a Lambda function to upload up-to-date products from AWS S3 Bucket to Algolia using their API, with Python.
- Added Finite State Machines to Order service with pytransitions library written in Python and for Returned Products service with Gearbox library written in Elixir.

Systems Software Developer at Asman Oky ES (Ashgabat, Turkmenistan)

Dec 2015 - Oct 2019

- Parsing, constructing and inspecting network packets with C language.
- Implementation of Token-Bucket algorithm for rate-limiting with C language.
- Contributed to integration of our software with SSLsplit open source project and building of a proxy server with C language.
- Contributed to integration of our software with enterprise network cards for fast network packet handling with C language.
- Implemented Lua scripts for configuration of our software
- Implemented Python scripts for XML parsing, heartbeat checking, etc.

Head Coach at National IOI Team of Turkmenistan (Ashgabat, Turkmenistan)

Jul 2015 - Dec 2019

- Trained the team with algorithms and data structures problems for the International Olympiad in

Informatics and some other online competitions.

- Courses: Graph Algorithms (Shortest Path/Dijkstra's Algorithm, Bipartite Matching/Ford-Fulkerson, Lowest Common Ancestor), String Algorithms (String Matching/Knuth-Morris-Pratt, Palindromic Substrings/Manacher's algorithm), Dynamic Programming and Greedy Algorithms, Computational Geometry (Convex hull/Graham's scan), Range Minimum Query, Fenwick Trees.

Software Developer Intern at Simsoft LTD. STI. (Ankara, Turkey)

Jun 2013 - Sep 2013

- Python development, code review and documentation.
- Contributed to the web crawler project in Python.

Education

Hacettepe University | Ankara, Turkey. (2009 - 2015)

B.S. in Computer Education and Instructional Technology

Relevant classes: Programming Languages, Data Structures and Algorithms, Operating Systems and Applications, Computer Networks and Communication, Database Management Systems, Internet Based Programming, Computer Hardware, Object Oriented Programming.