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Artem Ioselevskii

Career objective

Position Senior Software Developer

Key skills

C++17, Python, git, svn, Linux, MapReduce, Cloud Systems, CI/CD, SQL, PostgreSQL, ClickHouse, YT, YDB, Protocol Buffers, FlatBuffers, pytest, Zookeeper, Docker, userver

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Work experience

June 2019 – present

Yandex, *St.Petersburg, Software Developer*, Yandex Market team

Duties & responsibilities
- Development and support of a service that prepares a search index for Yandex Market
- Creating unit and functional tests as well as metrics, monitorings, dashboards to increase the reability of the service
- Creating and maintaining packages and release pipelines as a DevOps Engineer
- On-Call duties as a Site Reliability Engineer

Achievements
- I have automated a mechanism that reduces the size of the search index by rotating poorly-displayed offers. It reduces hardware costs and also reduced the loss of money by hiding only rarely shown offers
- Participated in the development of a mechanism for creating product cards on the fly. This reduced the time to create a product card from 2 weeks to 1 day
- Developed a metric for tracking the freshness of data in the service, which is now widely used throughout the company

January 2019 – May 2019

JetBrains Research, *St.Petersburg, Intern in the Mobile Robot Algorithms Laboratory*
- Research and Development of the Self-Driving car problems (Python, CV) in the Duckietown project
- The winner of the AI Driving Olympics II at ICRA 2019 (Canada, Montreal) as part of the JetBrains Research team

August 2016 – September 2018

Kronshtadt Technologies, *St.Petersburg, System Engineer*
- Development of the automatic ship motion control systems: Dynamic Positioning System, Autopilot, Integrated Bridge System
- Developed the software for the test stand based on ICP-DAS controllers (C++11, Qt)

January 2016 – August 2016

ECICS, *St.Petersburg, Software Engineer*
- Development of the joystick motion control systems
- Development of the algorithms and mathematical models of a ship motion
- Developed the control algorithms for waterjets control system for a passenger ship (C/C++)

September 2011 – July 2015

Saint Petersburg Electrotechnical University "LETI", *St.Petersburg, Technical Engineer*
- Development of mathematical models of the vessels movement
- Development the software for the test stands (C/C++)

Higher education

2015   **Lappeenranta University of Technology**, *Technomathematics*,
Exchange student
Lappeenranta, Finland

2010 – 2016   **Peter the Great Saint Petersburg Polytechnic University**,
Institute of Applied Mathematics and Mechanics,
Master with distinction of Applied Mechanics,
the winner of the Vladimir Potanin scholarship, participation in engineering olympiads
St Petersburg, Russia

Additional education

2018 – 2021   **Computer Science Center**, *Software Engineering, Data Science*

2018 – present   **Stepik**, *Algorithms, C++, Python, Linux, Discrete Mathematics*

2014 – present   **Coursera**, *Machine Learning, C++ Programming*

Master thesis

2016   ”Water Jet control system” – development of algorithms for the waterjets control system of a passenger ship

Conferences

2016   Conference ”Management in the maritime and aerospace systems” (UMAS-2016), the report ”Algorithms for the distribution of stops in the tasks of positioning marine mobile objects”

2015   XVII Conference of Young Scientists ”Navigation and Motion Control”, the report ”Identification of parameters of the dynamic model of vessel movement”

2012   XXXVIII All-Russian Conference ”Motion control of the ship and special underwater vehicles”, the report ”Determination of stops of active motion control means MMO”

2012   XIV Conference of Young Scientists ”Navigation and Motion Control”, the report ”Determination of the characteristics of active controls in dynamic positioning tasks”

Additional experience

MATLAB, CAD/CAE, LaTeX
Algorithms and data structures
Mathematical modeling, Robotics, Motion Control
Machine learning and data analysis

Additional information

Citizenship   Russia
Languages   English; Russian – Native
Patents   Sea wave simulation software