

Denis Gruzdev

Python Developer



Contacts (links are clickable)

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About

I have over six years of experience as a software engineer and have worked at small and large organizations. I'm mostly a Back-end/ETL developer with knowledge of Python, JavaScript and some SQL and C++.

I love learning romance languages, drawing hands with a pen, playing guitar, reading tech books, using Haskell and Rust in pet-projects and writing compilers.

Skills

Soft: time management (work-load handling, scheduling), training/mentoring junior developers and gradual improvement of legacy code.

Hard: python, mypy/typing, REST/RESUful API, postgresSQL, linux, docker, git, automated testing and continious integration.

Languages

Russian (Native)

English (Intermediate)

Experience

Web/ETL Developer

Polymedia (April 2019 — the present moment)

We created a business intelligence platform Visiology, integrated it with various data sources and customized it to customer needs. I've learned a lot about databases, OLAP-cubes, learned how to improve the uncultivated development process and how to lead small teams.

Achivements

- Improved development process and overall products quality by introducing git-flow, continuous integration, style guides, code reviews, unit and smoke testing
- Improved performance of XML parsing by creating specialized XML parser as Python Extension Module with Rust
- Improved maintainability of several legacy projects by rewriting from scratch and gradual refactoring
- Created several forecasting models using machine learning
- Mentored and trained a lot of junior Python and JavaScript developers and new employees
- Led a team of four developers for half a month

Fullstack Developer

Freelance (January 2017 — April 2019)

I worked with customers from different countries on an international freelance platform. In the main, I've accepted small tasks related to web, automation or data mining. As a result, in addition to getting many skills, I've learned time management and improved my communication skills.

Achivements

- I created a queue-based image processing system for the DeepDream iOS application
- Fixed different issues in 30+ web sites
- Wrote data mining tools and web scrapers for 20+ sources

Python/C++ Developer

Paragon Software (April 2015 — October 2016)

We have been creating educational software, such as interactive schoolbooks and interactive learning boards for Mathematics, Physics, Geographics, etc.

Achivements

- I wrote an integration system to convert existing e-books to our format, which allowed us to increase typists productivity
- Created an internal package manager from scratch
- Increased code coverage to about 100% in all projects
- Mentored trainees and taught them until they became our junior developers

Software Developer (Computer Vision)

Central Scientific Research Institute of Chemistry and Mechanics

(Juny 2014 — April 2015)

It was an exciting job with embedded devices, computer vision and much creativity. I've worked on classified government projects, so I can't tell the details.

Achievements

- Developed a video translation module for a computer vision system of an uncrewed aerial vehicle
- Created a tool to monitor and control our embedded devices
- Made its mobile version with C++ and Android NDK
- Trained a junior developer and taught him the basics of computer vision

Junior Software Developer

Navigator Bank (July 2010 — December 2012)

I started working here half-time, just after I graduated from high school. We worked on an accounting system for money transfers (Unistream, CONTACT, Western Union, KoronaPay) using Delphi and C++ as our primary programming languages paired with FoxPro database. Even on a half-time job, I've learned a lot.

Achievements

- Improved performance of a legacy report generation system
- Extended the accounting system with a client database module
- Added auto-completion to input forms

Education

2022	Moscow Power Engineering Institute Applied Mathematics and Informatics	Master's degree
2017	Moscow Power Engineering Institute Computer Science and Engineering	Bachelor's degree
2014	Moscow College of Railway Transport Automatic Information Processing and Control Systems	TVET