
STANISLAV SPIRIDONOV

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Senior Software Engineer with 11 years of experience building commercial software from the ground up with emphasis on backend development. Experienced with architecting, developing and extending large and complex systems. Have advanced knowledge of wide variety of languages, frameworks and best practices and passionate about learning more. Interested in technically challenging tasks.

SUMMARY

- Ruby expert. Strength in Scala, Java and Python.
- PostgreSQL, Redis, MongoDB, Oracle
- Experience with Amazon AWS, Linux administration and operation
- Integration/automation experience with Chef, Ansible, TeamCity
- Machine Learning with TensorFlow, Keras, Deeplearning4J
- Computer vision, OpenCV
- Solid object-oriented design skills
- Functional programming skills
- Deep understanding of multi-threading programming and actors systems
- Experience working in Agile environment

EXPERIENCE

Senior Software Engineer, Castle, Samara, Russia

2/20/2012 – 8/24/2018

Castle Digital Partners is an international design and development consultancy that partners with visionary businesses in the creation of products engineered for market leadership.

Took part in several different projects due to Castle's large business:

- Created a route optimizer which could automatically find the cheapest way to deliver a set of shipments for a cloud-based transportation management system
- Designed and implemented own EDI broker for integrations with transportation carriers to avoid costly VAN network charges
- Automated deployment and provisioning, maintained production servers
- Created an optical mark recognition subsystem for cards with results of golf matches to automate results filling into the system
- Reduced the cost of cloud infrastructure by setting up load balancers, autoscaling in AWS, etc
- Designed and built an optimizer of specialists schedule for an enterprise level compliance management system that allows specialists to capture detailed findings and observations
- Visited client's office in the USA and trained new team members there
- Performed a key role in development process of core domain functionality for various projects
- Interviewed candidates and reviewed test assignments
- Improved performance with optimizing queries and implementing caches

Technologies: Ruby, Rails, Java, PostgreSQL, MongoDB, Redis, AngularJS, Heroku, AWS, GitHub, nginx, RabbitMQ, Ansible, monit, Chef, Scala, Python, OpenCV.

SMS-IT is a Russian company specialised on automated systems for manufacturing and SCADA systems. Among clients there are largest national energy companies.

Was a part of Infocont team from its very beginning. Infocont is an ERP system deployed on 20 electric power plants all over the Russia. The system collects thousands of time based metrics (1 sec and longer) from equipment, stores this data, aggregates and displays it in real time and transfers it from the plants to a headquarter:

- Improved the system for inserting up to 100K metrics per second
- Redesigned core application server and communication channels so that it can be reused by other projects in the company
- Developed a subsystem for designing and viewing real time charts and mimic panels (Human-Machine Interface) as well as reporting and alerting subsystems
- Introduced continuous integration and automated tests and builds
- Designed and built a subsystem for evaluating scripts and formulas for calculated metrics
- Contributed patches to 3rd party libraries and components used by the company
- Implemented metrics readers for different hardware protocols and vendors

Technologies: Delphi, C#, WPF, Oracle, Windows Server, Mercurial, TeamCity.

EDUCATION

University

Master's Degree in Computer Science, with honours — Samara State Aerospace University (SSAU), Samara, Russia (9/1/2006 - 3/1/2012)

Coursera

- Practical Machine Learning (2015)
- Cryptography (2014)
- Machine Learning (2013)
- Functional Programming Principles in Scala (2013)
- Principles of Reactive Programming (2013)

CONFERENCE TALKS

- Real life combinatorial optimization problems – RailsClub 2016
- Ant colonies, evolution and simulated annealing – UICamp 2016