Anton Dort-Golts

dortgolts@gmail.com

Skills

- **Tech stack:** Go, Rust, Haskell, Erlang, Python, Linux.

- **Skills and interests:** distributed systems, networks, protocols, P2P, low-level concurrent programming, data structures, optimization, queuing theory, numerical models and simulations.

- **Strengths:** problem solver, creating high-performance resilient production-grade solutions for the hard problems. Passionate about exploring ideas and converting research into working stuff.

Work Experience

- **IqOption Ltd.** — St.-Petersburg, Russia
  Senior Software Engineer — *August 2017 - June 2020*
  - Developed risk management system for the trading platform: highly responsive, loaded constellation of microservices responsible for the real-time trading decision-making, estimation of profits and losses and generating various analytic insights.
  - Developed real-time pricing computation engine: system generating prices of derivatives based on the set of complex rules and market volatility estimation.
  - Developed low-latency market volatility estimation service.
  - Analysis and implementation of risk and pricing models.
  - System design, consistency, high-availability, profiling and fine-tuning.
  - Created numerous infrastructural tools for the internal use.

- **Syncleo Ltd.** — St.-Petersburg, Russia
  Software Engineer — *April 2017 - August 2017*
  - Created transport subsystem for the smart appliances.
  - Developed HTTP-MQTT gateway service.
  - Created universal push notification service working with both APNs and FCM.
  - Enabled device voice control with both Alexa Custom Skill and API.AI.
  - Developed auxiliary internal services and tools.

- **Ready for Sky Ltd.** — St.-Petersburg, Russia
  Software Engineer — *March 2016 - April 2017*
  - Software development in the field of IoT and remote control of smart things. Created core communication system (from architecture and protocols design to production), enabling communication of various types of smart appliances and mobile applications.
  - Developed Amazon Alexa skill enabling voice control of smart appliances.
  - Created a bunch of various internal services: logic, geolocation, monitoring etc.

- **State University of Telecommunications, IoT research lab** — St.-Petersburg, Russia
  Assistant Professor — *September 2012 - February 2016*
  - Research in the field of self-organized networks, IoT and its applications.
  - Conducted teaching courses on mathematical methods and models for networks, mathematical methods of optimization and Python for scientific calculations and data analysis.

- – Lab activities: software development for IoT appliances, tools for timeseries analysis, special-purpose high-level flow-based network simulator etc.

- **Digiton Research Ltd.** St.-Petersburg, Russia
  Software Engineer, Analyst *April 2010 - February 2012*
  - – Practical research and analysis in the field of multiprocessor grid-systems.
  - – Software development of network services and traffic analysis tools.

Education

- **St.-Petersburg State University of Telecommunications** St.-Petersburg, Russia
  Candidate of Sciences (Ph.D. equivalent) in Systems and Networks *2011 - 2014*
  - – Networks Department (Full Scholarship, 4 years)
  - – Novel methods of traffic engineering, self-organized overlay networks, P2P communications, real-time traffic predictions and optimization

- **St.Petersburg State University of Telecommunications** St.-Petersburg, Russia
  Engineering degree *2003 - 2009*
  - – Graduated Cum Laude in the field of networks and switching systems