Dmytro Orlov

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Objective	To apply my key engineering abilities achieved during my Scala and Java development experience and to show what is possible with modern enchanting techs, acquire challenging position of Scala developer with new possibilities to learn deeper.
Summary	7 years Java/Scala Development experience (plus 2 years Network Infrastructure Engineer). Expertise in implementation and support as Software Engineer. - High-load and low latency applications, performance and bottleneck monitoring with backend metrics - Scala stack, Akka streams and Monix reactive and backpressured - Play Framework, Slick, Scalatest, Scalacheck - Rich Internet Application, Web Application development with JavaEE/GWT/Javascript - NoSQL databases, MongoDB, Cassandra - Unix-like operational systems, familiar with Docker/lxc/OpenVZ - Provisioning and instrumentation with Ansible - Provide demos, training in products and technologies - Unit testing and property-based testing is a lot of fun for me Last 2 years is getting inspired with particular functional and reactive programming and Scala stack in general. At the moment intending to acquire distributed and streaming data processing with Spark.
Education	**Donetsk National Technical University,** Donetsk Ukraine — 2001-2006 Master of Engineering in Computer Systems and Networks

Experience	**Scala Developer, StrikeAd by Sizmek** Cracow, Poland — since 2015
	Scala/Erlang high-load, low latency, distributed and performance monitored application backend development for mobile advertising Demand Side Platform with *Scala stack, Erlang, Akka Streams, Play Framework, Netty, Slick, Cassandra, PostgreSQL, Ansible, Docker, Graphite:*
	   • Developing CQRS service that throttling any further read requests which can slow down
	   • Introducing streaming of requests, responses, processing to reduce memory footprint achieve more predictable latency
	   • Performed Scrum Master role for 1 year

- Migrating services to Play 2.4->2.5, Play 2.5->2.6, to Akka Streams, from Erlang to Scala
- Improving bottleneck detection and performance monitoring by introducing backend metrics
- Developing set of system-wide utility libraries for metric primitives, http-service metrics, async http client, json processing, Play Framework integration, common patterns for requests prioritising, throttling, active requests limiting
- Improving responsibility of user segments uploading service by prioritising read requests over upload requests
- Improving stability, durability, predictable latency of high-load and low latency service by limiting active requests count according to queueing theory
- Refactoring of special traffic distribution algorithm
- Prototyping and performance investigation of events aggregation NoSQL-based system
- Covering Supply-Side Platform request->response propagation transformations with property-based unit tests
- Reducing of testing code duplications with Monocle lens library

Java Developer, Luxoft Kiev, Ukraine — 2013 - 2015

Rich Internet Application development for finance and banking client's delegated reporting service, web application for CRUD of bank guarantees with *Java, GWT, GXT, Guice, Guava:*

- GWT web components creation (stacking with RestyGWT service layer)
- Developing GwtBootstrap user interface layouts with form validations, submitting, various screen notifications, REST-UI unit testing
- Developed frontend for reports editing, uploading, downloading
- Customizing Sencha GXT components (such as LazyGrid, InlineEditor)
- Implementing thin frontend and middleware logic for grid
- Developing of filtering, sorting service layer for grid lazy loading
- Creating theme, customizing Smart GWT components
- Various user view logic, error handling and event propagation

Java Developer, Lognet Donetsk, Ukraine — 2010 - 2013

Implementation new billing and customer care system for billing water, electricity and gas products. SMPP, Mobile Number Portability integration with *Java, WebServices, REST, SOAP, HTML/CSS, Javascript, ExtJS, Spring, Oracle Database, MongoDB, DI, OpenVZ/lxc:*

- Developing, extending, and integrating backend services (SMPP, Mobile Number Portability - REST, SOAP)
- Developing ExtJS frontend with related middleware services
- Prototyping of frontend for logs aggregator into MongoDB
- Providing onsite support, different teams development coordination, also providing product training for developers and managers