

WORK EXPERIENCE	Jan. 2016 - Current	dubizze (OLX) - software engineer <ul style="list-style-type: none"> Helped expand the “motors” pack from 4 to 7 by guiding new-joiners during their onboarding process Architected and migrated payment web-service to a new payment gateway through an A/B test by leveraging HAProxy sticky sessions Authored “A/B Testing Our Way to a Better Payment Gateway” on Hacker Noon covering the nitty gritty details of A/B testing payment service over HAProxy Got my pull request merged into Shopify Sarama Kafka client library Worked on projects such as new user dashboards, payment flows, overhauling cpanel authorization for staff users and product A/B tests Migrated core products microservice from PostgreSQL to MySQL with just 6 minutes of downtime Created RESTful APIs for user dashboards using Django REST Framework Created Python library to generate XSD by defining them in Python instead of XML Integrated first ever Car Report service in UAE with dubizzle Spearheaded launch of dubizzle engineering blog to help improve the engineering culture while also helping with hiring process Selected as OLX Tech Ambassador for MENA region
	June 2014 - Dec. 2015	dubizze (OLX) - junior software engineer <ul style="list-style-type: none"> Wrote Kafka consumers and producers using kafka-python Maintained and improved image processing service by implementing multi-threading Learned to use Percona toolkit to perform live database migrations Worked on migrating core website from Django 1.4 to 1.7.10 Maintained core service layer between dubizzle monolith and Silverpop marketing platform Wrote microservices for third-party integration such as vehicle search through number plates Learned concepts such as SOA, load balancing, load testing, caching, message bus, canary releases and asynchronous tasks Joined dubizzle as a fresh computer science graduate
	June 2013 - Aug 2013	KTH Applied Information Security Lab (NUST) - software development intern <ul style="list-style-type: none"> Implemented OpenStack Swift object storage encryption using PyCrypto Python cryptography toolkit
PUBLICATIONS	Mar. 13, 2017 Mar. 31, 2016 Feb. 8, 2016	<i>A/B Testing Our Way to a Better Payment Gateway (Hacker Noon)</i> <i>Apache Kafka Producer Benchmarks — Java vs. Jython vs. Python (personal blog)</i> <i>Live MySQL Schema Changes on Amazon RDS with Percona — A Walkthrough (personal blog)</i>
OPEN SOURCE	Oct, 2016 May, 2016 Sep, 2015	<ul style="list-style-type: none"> Shopify Sarama: Pull request to Shopify Sarama Kafka client Simple-crawler: Webcrawler framework written in Python Gdx-sqlite: Cross-platform extension for database handling in Libgdx
TECHNICAL EXPERIENCE	Web Development Other Languages Miscellaneous	Python (Django/REST Framework and Bottle), MySQL, Kafka, Redis, Celery, AWS, Percona Toolkit, HAProxy, nginx Java, basic knowledge of Go Git, python-kafka, Sarama
EDUCATION	Class of 2014	National University of Sciences and Technology (NUST) Bachelor of Software Engineering
ACTIVITIES		<ul style="list-style-type: none"> Guitar player Runner Hiker Horse riding