

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