Ritwick **Dsouza**

SOFTWARE ENGINEER

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Edu**cation**

Birla Institute of Technology and Sciences, Pilani   *Dubai*
B.E. (HONS) COMPUTER SCIENCE   *2014 - 2018*

Pro**fessional Experience**

OLX Group (dubizzle)   *Dubai*
SOFTWARE ENGINEER (PYTHON/BACKEND)   *Jun. 2018 - Present*
- '*Breaking the monolith*' by reducing the traffic on it by an estimated 70% and moving it to a modern micro-service for faster development cycles and increased product flexibility.
- Worked in the Property ProTools Pack to build and maintain the platform and various services used by Real Estate Agencies to manage their listings.
- Rewrote the location management system from the ground up, making it highly customizable and robust. The project increased listing accuracy which improved user experience and liquidity.
- Built an internal python/django library for monitoring custom and automated metrics of your application. The monitoring infrastructure uses InfluxDB and Grafana and serves over 1.5 billion events per month.
- **Technologies used:** Python, Django, Javascript, AWS, Kubernetes, Docker, nginx, MySQL, Redis, Elasticsearch, RabbitMQ

Google Summer of Code 2017   *Remote*
DEVELOPER AT OPENWISP   *Summer 2017*
- Worked on netjsonconfig which is a python based network configuration management library that converts NetJSON Device Configuration objects to linux configuration packages that can be installed on systems like OpenWRT/LEDE, OpenVPN and OpenWISP.
- Project Link - https://summerofcode.withgoogle.com/archive/2017/projects/6704162360262656/
- **Technologies used:** Python, Django, Raspberry Pi, Raspbian, Debian

Vol**unteer Experience**

Google Code-in 2017   *Remote*
MENTOR AT OPENWISP   *Nov. 2017 - Jan. 2018*
- Created various tasks for pre-university students to get them started in their software development/engineering careers.
- Helped students learn the ins and outs of open source development. Reviewed work (code review, documentation review, etc) submitted by students and help them complete their tasks successfully.

Microsoft   *Dubai*
MICROSOFT STUDENT PARTNER   *Dec. 2015 - Dec. 2017*
- Attended various training boot-camps and conferences organized by Microsoft and act as a Technical Evangelist in my university representing Microsoft. Organized workshops and competitions on topics such Imagine Cup, Azure, Xamarin, Python, etc.
- Recognized as the '*Top Microsoft Student Partner of 2016 in the Gulf Region*' by Microsoft, Dubai

Awa**rds**

INTERNATIONAL

2018	**1st Place ($20,000) @ Hack@TheTrack 2018,** built PaySync a chat bot for quick cross platform payments	*Bahrain*

DOMESTIC

2017	**2nd Place ($1,500) @ Accenture Digital Hackathon 2017,** built a blockchain based micro-lending platform	*Dubai*
2016	**Top Microsoft Student Partner of 2016 in the Gulf Region @ Microsoft,** for evangelism work	*Dubai*
2015	**Winner @ Microsoft Hackathon,** built and published 14 apps to the Microsoft Store in 24hrs	*Dubai*

Cer**tifications**

Nov 2022 **Amazon Web Services (Developer Associate)** - Credential ID: CZSNEBSKF1VQQHGD