

Ritwick Dsouza

SOFTWARE ENGINEER

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Education

Birla Institute of Technology and Sciences, Pilani

B.E. (HONS) COMPUTER SCIENCE

Dubai

2014 - 2018

Professional Experience

OLX Group (dubizzle)

SOFTWARE ENGINEER (PYTHON/BACKEND)

Dubai

Jun. 2018 - Present

- **dubizzle** is the largest online classifieds platform in UAE, with 5M+ monthly visits.
- Currently '*Breaking the monolith*' by reducing the traffic on it by an estimated 70% by building and moving high traffic pages/functions to a modern microservice for faster development cycles and increased product flexibility.
- Contribute to various systems like Call Tracking, Chat, Locations, Moderation and Subscriptions.
- Built an internal python/django library for monitoring various metrics of your application, currently serves over 50 million metrics daily.
- Setup a framework for a pipeline on Jenkins to run various test suites on the monolith application, like unit tests, tracking tests, code quality checks to improve developer confidence significantly.
- Worked in the Property ProTools Pack to build and maintain the platform and various services used by Real Estate Agencies.
- Design, build and maintain high performance and robust APIs, services and systems while ensuring testability, observability and scalability.
- Actively participate in code reviews across the department / Debugging and resolving production issues in a system and across services
- **Technologies used:** Python, Django, Javascript, AWS, Kubernetes, Docker, nginx, MySQL, PostgreSQL, Redis, Elasticsearch, RabbitMQ

Google Summer of Code 2017

DEVELOPER AT OPENWISP

Remote

Summer 2017

- **OpenWISP** is an open source network management system aimed at low cost networks: from public wifi, to university wifi, mesh networks and IoT.
- 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

Volunteer Experience

Google Code-in 2017

MENTOR AT OPENWISP

Remote

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

MICROSOFT STUDENT PARTNER

Dubai

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

Awards

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

Certifications

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