Faisalabad, Pakistan

Zaid Afzal

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EMPLOYMENT

Python/Django Developer **SnapEDA Inc.** **Aug 2019 - Present**
- Back-End web development using Python/Django, PostgreSQL.
- Test-Driven development.
- Developing Front-End via HTML5, Bootstrap 4, JavaScript/jQuery.

- Worked on Analytics Dashboard for Ad partners/clients.
- Worked on automted Ad System for all vendors.
- Worked on enhanced features and bug fixes using Heroku CI/CD pipeline.

Full Stack Developer (Python Django/Flask, NodeJS) & DevOps Engineer **Self-Employed @ Upwork (Remote Position)** **March 2019 - Present**
Producing maintainable, thoroughly-tested code, up-to-date with latest industry standards
- Back-End web development using Python Flask/Django, NodeJS using MySQL/PostgreSQL, MongoDB.
- API design, development & documentation via Flask micro services and Django REST Framework.
- Scrapping websites and web application for data mining purposes.
- Test-Driven development.
- Developing Front-End via HTML5, Bootstrap 4, JavaScript/jQuery.

- Worked with an Australian startup "Pop Up Wifi LLC" in building their Access Points and server infrastructure.
- Developed an eCommerce web application utilizing Python/Django, MySQL and AWS.
- Developed a casino event prediction-er web application utilizing Python (Pandas, Sickit Learn, Django), PostgreSQL and AWS EC2 instance.
- Worked on Amazon product reviews classification utilizing Python's Pandas, Scrapy and performed various NLP techniques as per client's requirements.

Platform Apps Developer **Automotive Artificial Intelligence** **March 2018 - March 2019**
Virtual Simulation for Self Driving Vehicles (Python)
- Worked on virtual simulation's driving, map and traffic maintainer.
- Implemented Rule Catalog for German roads as a separate gRPC service.
- Reduced response time in each frame to compute vehicle perception and rules violation.
- Redesigned modules for simulation and introduced unit test cases for different services.

Software Engineer **SlashNext Inc.** **Sep 2017 – Feb 2018**
Network Security, Malware Analysis, Reverse Engineering (Python, Objective-C, Bash)
- Worked in cyber security team to transform malware researcher's expertise to machine learning/ deep learning models to filter and classify network packets (Benign/Malicious) on Access Point level.
- Created scripts to extract process level information to make important features to train on machine learning algorithms.
- Built and automated virtual machine for Mac OSX, Linux, Windows, Android OS to run and analyse latest malwares.

Software Developer Intern **Bentley Systems** **June 2016 – Aug 2016**
Xamarin.Forms, Scrum
- Built working prototype to shift company's internal software system UI named DGnDB to Xamarin.Forms for cross platform support (Android, Windows, iOS).

EDUCATION

Islamabad, Pakistan   **FAST - NUCES**   **2013 – 2017**
- B.S in Computer Science
- Coursework: Data Structures & Algorithms, Web Development, Network & Data Security, Data Mining & Machine Learning

CERTIFICATIONS

Coursera/AWS   **AWS Training & Certifications**   **Dec 2019**
- AWS Fundamentals: Going Cloud-Native
- [Certification Link](#)

Languages and Technologies
- (Proficient) Python, Pandas, Flask, Django, C++, MySQL, MongoDB, Git, HMTL, CSS/Bootstrap, JavaScript, Linux(Ubuntu), Jira, PyCharm, Scrapy
- (Familiar) AngularJS, NodeJS, Bash, Golang, Docker, PostgreSQL