


HATIM ZAHID – Software Engineer

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- Engineering Degree from An **ABET Accredited Undergraduate Program** (American Board of Engineering and Technology).
- 1-year work experience solving Backend and Front problems for E-commerce companies.
- 3-month Academic Research experience in algorithms and mathematics of Control Theory.
- Mentoring people on Stack Overflow and sharing skills as Technology Writer/Blogger on Medium.
- Member of an NGO that works on education of under-privileged youth of Karachi (Save A Life Welfare Association)

Work Experience:

Junior Software Engineer/Python Developer – QuickStart Inc.

Nov 2021 – Present

- Developed **ETL tasks in python** to migrate data from **Magento** to **Amazon Redshift**. Task include removing duplicates and joining data from multiple tables, automated as Cron job on remote Linux server on **Amazon EC2 instance**.
- Applauded for my efforts in creating an **in-house data dashboard** and student activity tracker.
 - Developed a Continuous Integration/ Continuous Development pipeline with **Jenkins** to automate the build and deploy process from GitHub Repository. Created jobs of windows batch, Linux bash scripts and SSH connection.
 - Platform built with **Flutter** framework by Google and **Dart** programming language.
 - Robust, efficient and scalable code, tested with mocked data and reported bugs/collaborated in **JIRA**.
- Developed ETL pipeline to clean data in **Amazon Redshift** and connect to **Excel** through ODBC driver. Data is cleaned, labelled and categorized. The pipeline reduced the time to make customer reports by 50%.
- Coded a **Python Class** that provides CRUD methods to manage files in Amazon S3 bucket, this created code abstraction and improved code reusability among peers.
- Wrote **Bash scripts** to automate tasks and Cron jobs on **Linux** servers that reduced testing and developing time by 30%.
- Engineered APIs in **Flask** to convert pdfs to Images without saving any file locally. API also uploaded files to S3 Buckets and created records in MS MySQL server.
- Engineered an API in **Django** to communicate with Postgres DB and update student's information.

Undergraduate Algorithm Researcher - Bilkent University - Ankara, Turkey.

Jun 2020 - Sep 2020

- Used mathematical algorithms in MATLAB to solve quasi-polynomials and to visualize root locus diagrams.

Software Engineering Intern - Phillips Signify - Karachi, Pakistan.

Aug 2018 - Sep 2018

- Developed GUI and programmed a database searching application in **Java** that helped to make easier and efficient sales.

Education:

B.Sc. in Electrical and Electronics Engineering; Bilkent University, Turkey.

Sep 2016 - Jun 2021

- American Accreditation Board for Engineering and Technology (**ABET**) accredited degree.
- Ranked No.1 private university in Turkey, Awarded 100% Merit Scholarship.

Beaconhouse School System, Karachi, Pakistan -- 100% Merit Scholarship.

Jun 2014 -Aug 2016

- Cambridge International Advanced levels, Math's, and Science student.

Projects:

1. An HR Applicant Tracking Web Application using Django:

- Developed backend of a HR software that takes input and Resume from the applicant and stores in **PostgreSQL** DB locally.

2. A Quiz Web Application built on Flask:

- Developed a Quiz creating application that uses Flask at the backend and HTML at the front with **Mongo DB** as database.

3. Data Analytics Using Statistical Tests and Plots with R:

- Performed exploratory data analysis and tests such as Chi-Squared Tests, F-Tests to find factors affecting stadium attendance. Plotted line-graphs, Box-Whisker plots and Linear Regression to deduce the most important factor.

4. Portfolio Website Using React and JavaScript:

- Designed and Developed a fully responsive static professional portfolio website using React.js and CSS.

Achievements:

- **Merit Scholarship of \$14000/Annually** based on A Levels Grades – Bilkent University 2016.
- **Merit Scholarship of \$300/ Annually** based on O levels Grades – Beaconhouse College PECHS 2014.

Professional Certificates:

LINUX

- Hands on Linux Scripting –IBM .
- Introduction to Linux –Linux Foundation

CLOUD SERVICE

- Fundamentals of AWS – QuickStart Inc.
- AWS Essential Training – AWS

ETL Tools

- ETL with Apache Kafka and Apache Airflow –IBM