

# Muhammad Taqi Hassan

[muhammادتaqi.github.io](https://muhammادتaqi.github.io)

---

[taqi.official@gmail.com](mailto:taqi.official@gmail.com) | +92-345-5097679 | [github.com/muhammادتaqi](https://github.com/muhammادتaqi)

## QUICK PROFILE

- Experience in Developing RESTful APIs with Symfony & Django web application frameworks.
- Proficient in automating infrastructure and application in a micro-services environment.
- Proficient in Linux and DevOps tools like ansible, vagrant, jenkins etc
- Proficient in gathering and creating requirements engineering, requirements management, solution scoping & evaluation and change management.

## Education

**University Institute of Information Technology**  
Bachelor of Science in Computer Science, Honors

**October 2010 – August 2014**  
Rawalpindi, Pakistan

## Experience

**Sr. Software Engineering @Ciklum**

Aug 2016 - PRESENT

- Responsible for “keeping the trains running” in our Micro-services Architecture.
- Designed and built web applications using a variety of programming languages and frameworks
- Achieved completely automated Linux server deployments with Bash and Ansible.
- Employed a variety of DevOps tools and services, including Ansible, Vagrant, Jenkins etc.
- Configured and maintained over half a dozen virtual servers (Linux, BASH, Supervisor, cron, Nginx)
- Facilitated and supported professional development of technical team members; assisted in development of key skills and long term goals; provided guidance in learning specific topics

**Software Engineering @ Cogilent Solutions**

Feb-2015 - Aug 2016

- Designed, built, tested, deployed, and maintained complex application features using various web technologies Python (+*Django*) and PHP (+*Symfony*)
- Web Data Extraction and Business Intelligence
- Interacted with Client Services team on a regular basis to plan and develop custom websites and resolved ongoing problems.

- Built application software with **Django**, **Postgres** backend and HTML5, JQuery, AJAX frontend
- Configured and maintained Linux servers; automated server tasks through BASH and cronjobs
- Wrote **Python** scripts for notification system capable of sending thousands of emails/text messages using `sendgrid` and Twillio Apis

## Projects

- **MyCiklum**
  - The main project appointment - is web portal functions for customers and employees of it organization depends on role, position, interests, etc The project has api-based microservices architecture with rich technology stack, methodologies and approaches. The project team contains web, mobile, qa and backend units.
  - Tech Used:
    - Symfony2 REST, Mysql, Redis, RabbitMQ,
    - Testing[Phpunit, Behat etc]
    - CI, Virtualization tools[Jenkins, Vagrant, Ansible, Virtualbox, etc]
- **Nursing Management Information System - Pakistan Nursing Council**
  - I built the entire web stack of this MIS Software for Pakistan Nursing Council. This included database design, writing the Symfony web app, with server setup and deployment.
  - **Tech Used:** *Symfony2, Bootstrap, JQuery, PostgreSQL, Heroku, CentOS, Python.*
- **PTCL Career Portal**
  - Career Portal For Connecting PTCL HR Team with Job Seekers. I was involved in Both Front-end as well as Backend.
  - **Tech Used:** *Django, Bootstrap, JQuery, Postgres, Heroku , Pourover*
- **Brightspyre Career Portal**
  - Developing and documenting Modules for Django applications Fixing issues/bugs in current DotNet applications, Database Design.
  - **Tech Used:** *Django, Python, Bootstrap, JQuery, Postgres, Heroku , Backgrid.js, Pourover.js*
- **UNDP Directory**
  - A Web based distributed application used to manage, track and reporting the UN staff.
  - Tech Used: Symfony2, Postgres, Bootstrap, JQuery, Heroku
- **Side / Hobby Projects**
  - **radiorec** - [GitHub](#)  
*An ongoing project. A small python script which records internet radio streams and Upload it to SoundCloud.*

## Achievements & Interests

- I enjoy reading both fiction and war; when I'm not buried in a software book, I like to broaden my horizon with subjects like General Systems Thinking, and Evolutionary System.
- Member of [Official PostgreSQL Islamabad Group](#), [Islamabad DevOps Group](#) and [Islamabad OpenStack](#)