

# KH. TANJIM ASHRAF

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## SOFTWARE ENGINEER

Dedicated and highly skilled software engineer with 3 years of hands-on experience in developing robust web applications and implementing efficient system designs. Proficient in utilizing different technologies, including Django, WebSocket, Pub/Sub systems, Angular, TypeScript & PostgreSQL. Adept at deploying applications using Nginx, uWSGI, Daphne servers, and implementing CI/CD pipelines with Jenkins. Experienced working with containerization using Docker & running multiple containers using Docker Compose. Experienced in data analysis, wrangling, file manipulation using Python.

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## STRENGTHS AND EXPERTISE

Django • Angular • WebSocket • TypeScript • NGINX • uWSGI • Gunicorn  
• Daphne • Redis • Pandas • Jenkins • PostgreSQL • Amazon EC2 • Amazon RDS • Amazon S3 •  
Amazon Route53 • Docker • Linux • Slack • Atlassian Jira

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## PROFESSIONAL EXPERIENCE

### DOER Services PLC Software Engineer

February 2023 - March 2024

- Build system designs & MVPs with the collaboration of a team of 3-4 members.
- Report to tech lead to understand the business requirements.
- Build pub/sub system using Django, DRF, Angular.
- Integrate web applications with various ML models efficiently.
- Perform EDA using Pandas to facilitate NLP applications to mitigate outliers from augmented datasets.
- Establish immaculate integration of Django apps with other existing apps built with JAVA, Node.js & PHP.
- Understand & contribute in different stages of the Software Development Life Cycle.
- Mentor 2-3 developers in the team. Participate into scrum meetings & retrospective discussions.
- Communicate with UI/UX designers & testing teams to solve any challenges the team might be facing as a whole.
- Collaborate seamlessly with the Machine Learning team, contribute in the R&D & facilitate integration of ML models in the applications.
- Scrutinize existing system architecture & modernizing monolithic applications into agile microservices
- Applied multi-tenant database architecture to decouple monolithic dependency of databases by using PostgreSQL & ClickHouse.
- Containerize multiple applications, ML models & ensure seamless communication between them.
- Deploy large scale applications build with Django, Angular & different ML models on AWS as well as managed Linux servers.
- **Paradigms/Methodologies:** Scrum/Agile, REST Principles, MVC Pattern, Object-oriented Programming, Asynchronous Programming, AngularJS Styleguide.
- **Tech Stack:** Django, Angular, TypeScript, Flask, WebSockets, Docker, NGINX, uWSGI, Daphne, Redis, Pandas, PostgreSQL, Linux, AWS, Atlassian Jira

**TechForing Ltd**  
**Backend Developer**

**May 2022 - December 2022**

- Build, configure, automate applications & establish CI/CD pipelines using Jenkins and host in Amazon cloud services.
- Build a blog system for the official business website to improve traffic through digital marketing.
- Implement social authentication associated with Google & Twitter.
- Develop & integrate APIs for recruitment management to an exiting in-house HRMS. Implement local vendor SMS service into existing applications.
- Develop multi-domain routing using Django-Hosts & implemented in their official business website.
- **Tech Stack:** Django, Flask, Docker, NGINX, uWSGI, Jenkins, Redis, MySQL, Amazon EC2 Amazon RDS, Amazon S3, Amazon Route53, Cloudflare, Slack, Atlassian Jira

**Creative IT Institute**  
**Jr. Python Developer**

**February 2021 - April 2022**

- Train over 300 students ensuring proficiency in Django framework including relational database design.
- Build intuitive & practical software solutions using Django, DRF, HTML, CSS, JS.
- Learned regression & classification based ML models.
- Learned EDA, probability & statistics.
- Build a video chatting application using webRTC & websockets.
- **Tech Stack:** Django, DRF, WebSocket, WebRTC, Redis, MySQL, Amazon EC2, Amazon RDS, Pandas, Numpy, Pre-trained ML models (Regression & Classification)

**Daffodil Software Ltd**  
**Odoo Developer Intern**

**January 2020 - June 2020**

- Learn Odoo modules, applications and XML focusing primarily on Odoo OpenERP School Management.
- Collaborate with senior developers to analyze requirements, propose solutions, and execute coding tasks.
- Learned the Education Management Information System (EMIS) with practical hands on experience.
- Developed the attendance & performance calculation functionality for an EMIS system.
- **Tech Stack:** Python, Odoo, XML, SQLAlchemy

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## **EDUCATION**

**University of Greenwich, UK**  
Bachelor's in Computing

**Tejgaon College, Dhaka, Bangladesh**  
Higher Secondary Certificate

**Junior Laboratory High School, Dhaka, Bangladesh**  
Secondary School Certificate

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