

# NAEEM ULLAH KHAN

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## EXPERIENCE

### FULL STACK DEVELOPER

01/2021 — 10/2022

ARCHIRODON CONSTRUCTION (OVERSEAS) COMPANY LIMITED, ABU DHABI

- **Tech Stack:** **Python:** Django (Django Rest Framework), **Typescript:** Angular 14, PostgreSQL, Microsoft Azure.
- Designed and developed a full-stack application using Django Rest Framework serving as the back-end REST APIs endpoint, and designed front-end components using Angular, with PostgreSQL used as the database.
- Following the agile methodology, the application was developed in small cycles where features were developed and implemented, and then tested with the management to confirm the system meets their expectations before moving onto the next set of requirements.
- Developed complex database design to accommodate the users' data storage requirements, as well as keeping the database hits to a minimum, which increased data retrieval speed by 65% in production compared to initial design after optimizing the queries.
- Created Docker configurations for development and production environment to easily replicate development environment on different machines.
- Created CI/CD pipelines for development environment using GitHub Actions.
- Created CI/CD pipelines for production environment using Azure Pipelines.
- Implemented different testing strategies such as unit testing, end-to-end testing, integration testing using Factory Boy + Faker for Django, and Jasmine/Karma for Angular.
- Implemented Kubernetes configuration for production build on Azure AKS. Optimized each pod to properly accommodate traffic demand through internal load balancer.

### SOFTWARE DEVELOPER INTERN

10/2021 — 12/2021

ARCHIRODON CONSTRUCTION (OVERSEAS) COMPANY LIMITED, DUBAI

- This 3-month internship was completed to gain better understanding of the project and gain experience of the workplace.
- Worked on interacting with a team of 3 people to gather requirements for the project.
- Worked on developing basic use cases, FR/Non-FR, and iterating the process until final requirements were realized.
- Worked on basic wireframe for the project and developed a low-fidelity prototype to better realize the final product.

## **JUNIOR SOFTWARE DEVELOPER INTERN**

**05/2019 — 08/2019**

### **CHARTERCROSS CAPITAL MANAGEMENT, DUBAI**

- Tech Stack: Python: Django, PostgreSQL, Microsoft Azure, PHP, HTML, CSS, MySQL.
- Worked on multiple projects involving back-end and front-end web development using PHP and Django framework.
- Worked on an existing leave management system designed in PHP.
- Designed a custom blog system using Django and implemented comments feature in it using an external framework.
- Helped train new interns in Django by assigning them tasks to get familiar with the framework, as well as guiding them to debug any issues they encounter.
- Learned Django framework to convert a PHP website into a Django powered web site. Designed the database models using strict relationships to store data in an organized manner.
- Upgraded Django version 2 to latest version 3 on all projects in the company. As well as upgrading Postgres to version 11 from version 9 in Azure.

## **EDUCATION**

### **BSC COMPUTER SCIENCE (HONS)**

**08/2021**

### **HERIOT-WATT UNIVERSITY, DUBAI**

## **SKILLS**

### **PROGRAMMING LANGUAGES**

- Proficient in Python, TypeScript, PHP, HTML, CSS, Bash, Git.
- Familiar with C, C++, JavaScript, Java, C#, Dart.

### **DATABASES**

- PostgreSQL, MySQL, Firebase.

### **FRAMEWORKS/LIBRARIES**

- Django, Django Rest Framework, Angular, Node.js, Tailwind, Bootstrap, Flask, Selenium.

### **OPERATING SYSTEMS**

- Windows, Ubuntu Server/Desktop, CentOS, Raspbian, Kali Linux, Unraid OS.

### **SOFT SKILLS**

- Exceptional problem-solving.
- Attention to detail.
- Excellent verbal and written communication.

**References are available on request**