Sheikh Muhammed Tadeeb

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ABOUT ME

I am a MSc researcher in **Cyber Security & Cryptography** with advanced proficiency in **C, C++** and developing knowledge of **Java**. Hands-on experience with **Linux, AWS, Docker, Terraform, and OOPs Programming** in building and deploying projects. Experienced in **digital transformation initiatives**, including designing a **tracking system** and leading a team as **DTO lead**, where I facilitated **Agile ceremonies** and improved workflows. Strong skills in **team leadership, problem-solving, and business analysis**. Actively seeking an **work opportunity** to apply technical and analytical skills, gain industry experience, and contribute to innovative projects.

WORK EXPERIENCE

🏢 *ESTA Construction Group* – Istanbul, Türkiye

City: Istanbul | **Country:** Türkiye

Digital Transformation & Tech Consultant

[10/07/2024 – 22/06/2025]

- Led company-wide digital transformation strategy across departments (IT, Procurement, CRM, Site Ops).
- Analyzed workflows in CRM, HR, Sales, Teknik Ofis, and Procurement
- Proposed and built digital tools to improve process speed and transparency.
- Built MVP web platforms using Power Apps, Power Pages, and Excel-based dashboards for internal use.
- Identified core problems in construction Industry and proposed and scoped an IoT-based site monitoring system, with worker tracking, daily progress visibility, and digital twin integration.
- Facilitated collaboration between non-technical departments and IT teams, and provided training/ documentation.

🏢 *Yetiş+ Çarşı* – Istanbul, Türkiye

City: Istanbul | **Country:** Türkiye

Jr. DevOps Engineer

[06/02/2024 – 16/07/2024]

- Handling AWS account.
- Doing daily scrum & acting as "Scrum Master".
- Automated infrastructure and deployment processes using Linux ,AWS, GitHub, Terraform and Docker.
- Managing Developers.

🏢 *Instantpost* – Bangalore, India

City: Bangalore | **Country:** India

DevOps Intern

[10/03/2023 – 08/08/2023]

- Linux Administration (Proxmox).
- Implemented a centralized Identity and Access Management (IAM) system using Keycloak.

- Automated infrastructure and deployment processes using Terraform and Ansible for self-hosted GitLab and Keycloak.
- Developed CI/CD pipelines using github workflows and BASH.
- Migrated monolithic architecture to a tiered architecture with AWS services including VPC, EC2, NAT Gateway, ELB, EFS, and RDS.

EDUCATION AND TRAINING

Master's in Cyber Security & Cryptography
Yildiz Technical University, Istanbul, Turkey [Current]

City: Istanbul | **Country:** Türkiye | **Website:** https://www.yildiz.edu.tr/ | **Level in EQF:** EQF level 7

Bachelor of Technology in Computer Science & Engineering
Avantika University

City: Ujjain | **Country:** India | **Website:** https://www.avantikauniversity.edu.in/ | **Level in EQF:** EQF level 6

LANGUAGE SKILLS

Mother tongue(s): Hindi | Urdu

Other language(s):

English
LISTENING C2 **READING** C2 **WRITING** C2
SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2

Turkish
LISTENING C2 **READING** C2 **WRITING** C2
SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2

SKILLS

Software Engineering

C / C++ / Object Oriented Programming / Java (computer programming) / Python / Docker / BASH / FrontEnd: HTML, CSS, JavaScript

Version Control

Version Control System (Git) / Version Control Systems: Github

Office Suites

MSWord, Outlook, Excel, PowerPoint

Security

Cryptography AES, DES, RSA

Cloud Platforms

Platform : AWS Cloud

Databases & DBMS

MySQL / SQL / PostgreSQL

Project Management

Project Management Software (Jira, Trello, Workfront, Sharepoint, etc.) / software design methodologies

Operating System

operating systems / Linux (Red Hat, Debian) / Windows / Oracle Virtualbox / Virtualization (VirtualBox, Proxmox)

PROJECTS

Wrote Linked-list and other data structure wrappers with C++.
A modern C++ wrapper class for a Singly Linked List with full support for insertion, removal, deep copy, move semantics, and memory-safe destruction. A modern, object-oriented C++ implementation of a singly linked list. This project supports basic and advanced operations such as:

- Insert at head
- Insert at tail
- Insert at specific position
- Remove from specific index
- Clear the list
- Copy constructor (deep copy)
- Move constructor (ownership transfer)

Link: https://github.com/smTadeeb/SinglyLinkedList-CPP

Self-Balancing Binary Search Tree (AVL Tree) Implementation in C
- Designed and implemented an **AVL Tree (self-balancing BST)** from scratch using **C**.
- Implemented **insertion, deletion, and height-balancing rotations** (LL, RR, LR, RL).
- Developed **tree traversal algorithms**: inorder, preorder, postorder (**with and without recursion**), and level-order traversal.
- Built custom **stack and queue data structures** to support iterative traversals and level-order operations.
- Integrated **balancing logic** to maintain tree height, ensuring efficient **O(log n)** operations.
- Gained practical experience in **memory management, pointers, recursion, and data structures**.

Tech Stack: C, Data Structures, Algorithms, Memory Management

Link: https://github.com/smTadeeb/C-practice-questions/blob/main/avl_self_balancing_tree.c

Custom Output Stream (C++)
- Developed a **namespace-based output system** mimicking std::cout, with overloaded operator<< for strings, integers, characters, pointers, and function pointers.
- Implemented a **custom manipulator (atla)** to simulate line breaks, similar to std::endl.
- Strengthened understanding of **operator overloading, friend functions, namespaces, and low-level I/O with printf**

Link: https://github.com/smTadeeb/cpp_cout_replica

Automating the Infrastructure & Deployment
- Description: Developed Terraform and Ansible code for self-hosted GitLab, Keycloak, and a three-tier headless WordPress architecture behind a HAproxy load-balancer.
- Created GitHUb Workflows pipelines for CI/CD processes. Tech Stack: Ansible, Terraform, Bash, Jenkins.

Link: https://drive.google.com/file/d/1yvofQEB8QQMHJBO7D0Dtg_ndqfkO_OHE/view?usp=sharing

Restaurant Website
- **Description:** Built a responsive and dynamic single-page web application with form validation and search functionality. **Tech Stack:** React, MySQL, PHP, HTML, CSS, Bootstrap, JavaScript

Link: https://drive.google.com/file/d/1b-lwZYnY_ZKtP8zp6Mkpvl-eSUErsnwl/view?usp=sharing

HONOURS AND AWARDS

[14/08/2023] Yurtdışı Türkler ve Akraba Topluluklar Başkanlığı
YTB Turkiye Burslari Fully-Funded Scholarship

Link: https://drive.google.com/file/d/1MU-b3oGfMrN7q5cz8YbSsbItklwHx8UD/view?usp=sharing

Amazon Web Services
AWS Solution Architect Associate Cert

Link: https://drive.google.com/file/d/10Hrd0dCbX71T7SW0P1idDf167EZIvfnG/view?usp=sharing

HOBBIES AND INTERESTS

Cooking

Sports

Travelling

Learning new cultures