

# Shir Hussain Tabesh

## SOFTWARE ENGINEER

✉ [shtabesh02@gmail.com](mailto:shtabesh02@gmail.com) | <https://github.com/shtabesh02> | ☎ 781-392-7575 | 📍 Boston, MA

---

I'm a Software Engineer with a Bachelor's in Computer Engineering from Kabul Polytechnic University and a Software Engineering Certification from App Academy. Experienced in full-stack web development, delivering scalable and high-impact applications from designing, building, deploying, and maintaining. Adept at cross-functional collaboration and continuous learning to stay ahead in the ever-evolving tech landscape.

## EDUCATION

---

**APP ACADEMY** – Software Engineering (Full Stack Web Development)

San Francisco, CA, USA | 05/2023 – 07/2024

**MANISA CELAL BAYAR UNIVERSITY** – MSc Software Engineering (Incomplete; Moved to the US)

Manisa, Türkiye | 12/2021 – 03/2023

**KABUL POLYTECHNIC UNIVERSITY** – Bachelor of Science: Computer Engineering

Kabul, Afghanistan | 03/2013 – 12/2016

## EXPERIENCE

---

**Assistant Lecturer (Part-Time), Kabul Polytechnic University** | Kabul, Afghanistan | 08/2020 – 08/2021

- Delivered lectures and interactive sessions to classes of 50–60 students on programming and networking topics.
- Facilitated hands-on programming labs (C/C++, Java, Python) for over 200 students, achieving a 95% project completion rate.
- Led 60+ educational projects, ensuring practical application of academic concepts.
- Instructed networking courses including CCNA and MCSA, with a 90% success rate in certification exams.

**Software Developer, Netlinks** | Kabul, Afghanistan | 10/2019 – 08/2021

- Collaborated with a cross-functional team to ensure seamless system deployment and functionality.
- Delivered the Afghan Personnel and Pay System (APPS) to the Ministries of Defense and Interior, automating payroll to combat corruption and improve transparency.
- Implemented biometric verification, reducing fraudulent records ("ghost soldiers") by 40%.
- Saved millions in government expenditures by streamlining payroll processes and improving data validation.
- Designed and deployed scalable solutions with Java, MySQL, and REST APIs for reliability and efficiency.

**Database Officer, Ministry of Higher Education** | Kabul, Afghanistan | 06/2017 – 08/2019

- Collaborated with the Kankor Examination Committee to manage database systems for the annual general university entrance exam (Kankor) taken by approximately 300,000 students.
- Ensured smooth operation and integrity of the database, facilitating exam processes across all 34 provinces in Afghanistan, and optimizing the efficiency and reliability of the Kankor examination system.
- Traveled extensively to train local teams on student registration, fingerprint, and tracking systems, ensuring standardized practices for managing exam papers and results.

### TECHNICAL SKILLS:

- **Programming Languages:** JavaScript, Python, Java, C/C++
- **Front-End:** React, Redux/Redux Toolkit, HTML5, CSS3, JavaFX, Jinja2
- **Back-End:** Node.js, Express.js, Flask, Django
- **ORMs/Databases:** Sequelize, SQLAlchemy, MySQL, SQLite3, PostgreSQL
- **Tools & Technologies:** Git, GitHub
- **Computer Networking:** Fundamentals of Computer Networking, CCNA-RS

## CERTIFICATIONS & VOLUNTEER WORK

---

**Volunteer Experience: Mentor, IT Competence Center of Afghanistan** (2015–2018) – Mentored first-year students on programming fundamentals and practical projects.

**Professional Development:** STATA at Asia Foundation in 2018, Software Development Specialist at Karwan University in 2014, Web Development at CodeZone ICT Solutions in 2015, Project Management at Gawharshad University in 2015, English Language at the Professional Development Institute of the American University of Afghanistan in 2018.