

Shir Hussain Tabesh

SOFTWARE ENGINEER

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I'm a Software Engineer with a Bachelor's in Computer Engineering from Kabul Polytechnic University and a Software Engineering Certification from App Academy. I have experience building applications, involved in the entire application development process, from designing schemas to writing code.

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
- **ORMs/Databases:** Sequelize, SQLAlchemy, MySQL, SQLite3, PostgreSQL
- **Tools & Technologies:** Git, JIRA, Adobe Photoshop
- **Networking:** Fundamentals of Computer Networking, CCNA-RS

EDUCATION

KABUL POLYTECHNIC UNIVERSITY • Bachelor of Science: Computer Engineering • Afghanistan	03/2013 - 12/2016
APP ACADEMY • Software Engineering (Full Stack Web Development) • San Francisco, CA, USA	05/2023 - 07/2024
BOSTON UNIVERSITY • Master of Science: Computer Science • MA, USA	09/2024 - 03/2026

EXPERIENCE

Mentor • Code The Dream (CTD) • MA, USA	07/2024 – Present
<ul style="list-style-type: none">• Guide junior developers in building real-world software projects using modern technologies such as Javascript, HTML, CSS, Git/GitHub.• Provide code reviews, technical feedback, and best practices to ensure high-quality deliverables.• Foster a collaborative and inclusive learning environment to support diverse learners.• Assist mentees in developing problem-solving skills and professional growth strategies.• Contribute to program success by tailoring mentorship to individual skill levels and career goals.	
Assistant Lecturer • Kabul Polytechnic University (KPU) • Kabul, Afghanistan	08/2020 – 08/2021
<ul style="list-style-type: none">• Developed and delivered daily presentations to classes of 50-60 students.• Guided over 200 students through programming labs in C/C++, Java, and Python, resulting in their success.• Managed and facilitated 60+ educational projects, providing practical learning experiences and academic support, leading to over 95% improvement in project completion rates.• Instructed Computer Networking subjects including Networking Fundamentals, CCNA (RS), and MCSA to junior levels, achieving a 90% student success rate in certification exams.	
Software Developer • CodeZone • Kabul, Afghanistan	01/2017 – 08/2021
<ul style="list-style-type: none">• Developed and maintained CodeZone's HR and Finance application using JavaScript, React, Redux, HTML, and CSS.• Designed and implemented RESTful APIs using Express for seamless front-end/back-end communication.• Collaborated with cross-functional teams, utilizing Git/GitHub and Trello to deliver high-quality software solutions.• Optimized code for performance and scalability with lazy loading, code splitting, and database indexing.• Conducted code reviews via GitHub to maintain code quality and best practices.• Troubleshoot and resolved software defects, improving system reliability and user satisfaction.• Continuously learned and implemented new technologies and frameworks such as Redux Toolkit, SASS, and Express Validator to stay current with industry trends and enhance web development practices.	

Additional Information

Languages: Persian (Native), English (C2), Turkish (C1), Pashto (B1), Arabic (A1)

Volunteers: Translator (English - Persian) at Darakht-e Danesh Library | 2014 – 2021