Ahmad Musa

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Skills

Languages: *Expert:* [C/C++, Python, Java] *Proficient:* [C#, Javascript, Swift, HTML5, CSS3, WPF] *Tourist:* [Scala]
Frameworks: *Expert:* [AngularJS, IONIC, Node.js, PyTorch, Keras] *Proficient:* [PHP, Lumen, jQuery, Web 2.0]
Systems: Android *(4 yrs.),* Unix *(3 yrs.),* iOS *(1 yr.)*
Others: Git, JIRA, SQL Server, WebEx, GoToMeeting

Industry Experience

Software Engineer Intern   May 2019 – Aug 2019
4D Technology Corporation | Tucson, Arizona

- Collaborated closely with the Software Engineering Manager to conceptualize, design, and implement numerical analysis modules using C#.
- Led the effort to port approximately 20 modules from WPF to C#, ensuring compatibility and functionality across platforms.

Software Engineer   Nov 2017 – June 2018
Enosis Solutions | Dhaka, Bangladesh

- Developed iOS applications for U.S.-based clients, incorporating advanced features such as push message technology and real-time location tracking.
- Demonstrated rapid learning capabilities by quickly mastering cross-platform mobile application development using the Ionic framework, focusing on delivering high-quality, robust applications.

Academic Experience

Summer Instructor   May 2020 – Aug 2020
University of Arizona | Tucson, Arizona

- Taught a summer class of 45+ undergraduate students in Systems Programming and UNIX.
- Prepared comprehensive lectures covering key concepts and practical applications.
- Managed a team of teaching assistants to ensure smooth operation of the course.

Education

University of Arizona | M.S. in Computer Science   Graduating 05/2024
Khulna University of Engineering and Technology | B.S. in Computer Science and Engineering   Graduated 03/2017

Projects

Analysis of NFC digital wallet apps   Jan 2022 – Dec 2023
- Conducted a comprehensive investigation into the adherence of wallet apps to EMV standards.
- Employed advanced techniques such as Reverse Engineering, Symbolic Analysis, and both static and dynamic analysis to scrutinize the apps thoroughly.

Awards

- **Champion** at *Google CodeJam* Kickstart Competition, UArizona.   Awarded 2018
- *ACM ICPC* Dhaka Regional (42nd out of 123 teams)   Awarded 2016