

Ahmad Musa

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Summary

Accomplished Software Engineer with an MS in Computer Science and **3+** years of experience, specializing in efficient problem-solving and recognized in top competitions like Google CodeJam.

Education

The University of Arizona

Master of Science in Computer Science

Aug 2021 – Aug 2024 | Tucson, Arizona

Khulna University of Engineering and Technology

Bachelor of Science in Computer Science

Mar 2013 – Apr 2017 | Bangladesh

Skills

React.js | Node.js | Javascript | Typescript | PostgreSQL | Java | C++ | C# | Git

Professional Experience

Algorizin

Software Developer

Jan 2024 – Present | New York, New York

- Developed Algorizin's online platform, simplifying job applications and legal processes for over 300 International students by connecting them with industry experts and legal advisors.
- Developed a hybrid customer support feature allowing students to communicate with an AI assistant or a human agent when needed. This system saved thousands of dollars in expert lawyer costs in the first month of launch.
- **Tech Stack:** React.js, Node.js, JavaScript, TypeScript, PostgreSQL, Supabase, OpenAI

The University of Arizona

Software Security Researcher

May 2021 – Dec 2023 | Tucson, Arizona

- Independently conducted comprehensive security assessments on 30+ widely used Android payment apps for banks in the US, Europe, and Asia, ensuring transaction safety and protecting sensitive data from potential attacks that could result in millions of dollars lost.
- Developed automated testing scripts leveraging reverse engineering, and network proxying to streamline the assessment of the apps, significantly reducing testing time and identifying critical vulnerabilities.

4D Technology Corporation

Software Engineer Intern

May 2019 – Aug 2019 | Tucson, Arizona

- Contributed to developing and enhancing desktop software for precision measurement tools using C# and .NET Framework.
- Implemented and refined user interfaces using WPF following MVVM design principles for modularity and maintainability.

Enosis Solutions

Software Engineer

Jan 2017 – Jun 2018 | Dhaka, Bangladesh

- Led the design and development of a mobile app for iOS and Android that allows truck drivers to capture and transmit Proof of Delivery (POD) documents and electronic signatures in real-time, streamlining invoicing and generating **\$22,000** in annual profit.
- **Tech Stack:** Swift, Java, Android, iOS, GitLab CI/CD

Awards

Google CodeJam Kickstart

Google Inc

2018

Champion out of 60+ participants in an algorithmic style programming contest