Farhan Ahmed

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EDUCATION

Iowa State University   Ames, IA
Bachelor of Science in Computer Science   *Aug 2022 – May 2026*
- Relevant Courses: Data Structures and Algorithms, Object-Oriented Programming

EXPERIENCE

Software Engineering   May 2024 – Aug 2024
Principal Financial | *Typescript, Next.js, React, Git*   *Des Moines, IA*
- Improved website performance, as measured by 10% increase in cart starts, by enhancing useability with Typescript and React.
- Contributed to sprint goals completing 15+ tickets by participating in Agile stand-ups and implementing user stories.
- Ensured code quality resulting in 0 critical issues by conducting comprehensive reviews and unit tests.

Information Technology   Aug 2023 – May 2024
EMC Insurance | *C#, Bitbucket, .NET Core*   *Des Moines, IA*
- Streamlined data flow, reducing processing time by 20%, by developing APIs in C#.
- Achieved 90% code coverage on 10 repositories by leading C# unit testing in .NET Core with Moq.
- Reduced operational costs by 15% by deploying AWS Lambda functions to replace traditional server-based processes.

IT Support   Dec 2022 – Aug 2023
EMC Insurance | *Active Directory, Troubleshooting, Jira*   *Des Moines, IA*
- Resolved over 50 individual tickets, achieving 90% satisfaction rate by delivering accurate troubleshooting for software issues.
- Developed training workshops for over 30 high school students and staff on troubleshooting best practices, resulting in 30% reduction in support tickets.
- Created 5+ dynamic Power BI reports for the IT Support team, streamlining processes and supporting smarter decision-making

PROJECTS

iOS Text-to-Speech | *Python, Swift*   June 2022 – Aug 2022
- Implemented a powerful text-to-speech tool that allows users to input a URL link and obtain an audio rendition of any webpage.
- Leveraged Python for efficient webpage scraping, content extraction, and text processing, ensuring accurate conversion to speech
- Utilized Swift to create an intuitive and user-friendly interface, enabling seamless navigation and control of the app's functionalities.

AWS Project | *AWS, SQL, Bitbucket, Bamboo*   May 2021 – Aug 2021
- Deployed a Windows-based web server on AWS using the CDK pipeline with seamless integration of Bitbucket and Bamboo for version control and continuous deployment.
- Developed and managed a dynamic website to fetch and display data from multiple sources, ensuring a simple and elegant user experience.
- Implemented automated methods, such as scheduled tasks with PowerShell scripts and direct ADSI access, to efficiently populate the SQL database with data from Active Directory.
- Enforced strict authorization controls using Windows Authentication, ensuring a secure and restricted access environment for the website.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, Typescript HTML/CSS, C#
Frameworks: React, Next.js, .NET Core
Developer Tools: AWS, Git, Github, VS Code, Eclipse, CI/CD, TDD
Database: PostgreSQL, MySQL
Certifications: AWS Cloud Practitioner