

Fahim Shams

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Dynamic and results-oriented software engineering professional with a proven track record in full-stack development and programming instruction. Proficient in a wide array of programming languages and frameworks, with expertise in delivering innovative solutions to meet business needs. Strong communication skills with a collaborative approach to problem solving.

EXPERIENCE

Computer Software Engineering Technology Instructor

Thaddeus Stevens College of Technology | Aug 2021 – Present, Lancaster, PA

Tech stack: *PHP, Laravel, Python, Flask, Java, git, Selenium, Flutter, MS Office*

- Developed comprehensive curricula for 8 sophomore-level courses for 2 semesters, enhancing student learning outcomes through tailored instruction and engaging materials.
- Led instruction in PHP, OOP, Laravel, Java, data structures, algorithms, Selenium, and Flutter, covering a broad spectrum of web, mobile and software development.
- Facilitated 6 months training program, covering customer service, Microsoft Office, hardware/software, web development and networking, ensuring student readiness for IT careers.

Software Engineer

Plus One, an Optum Company | June 2022 – May 2023, Remote

Tech stack: *ASP.NET Core, C#, Angular, Typescript, Azure, Git, Agile, MySQL, Cypress*

- Developed a Full Stack wellness management application using ASP.NET Core, C# and Angular, resulting in streamlined fitness tracking for users.
- Designed and implemented a dynamic and user-friendly front-end interface enhancing user engagement and retention.
- Successfully integrated third-party APIs to expand application functionalities, enriching user experience.
- Collaborated with cross-functional teams to gather and refine project requirements, ensuring client satisfaction and overall project success.

Software Developer

Tata Consultancy Services Limited | Aug 2020 – June 2022, Remote

Tech stack: *Java, Angular, Typescript, Oracle SQL, HTML5, CSS, RxJS, Git, Jasmine*

- Contributed to the development of a bank management application using Java and Angular, improving backend operations and customer service.
- Designed and implemented user-friendly features to simplify navigation and enhance customer experience.
- Simplified development processes by constructing reusable components and services with Typescript, reducing time and effort for feature implementation.
- Ensured app quality and reliability through comprehensive testing, resulting in a dependable customer experience with minimal issues.

SKILLS

PROGRAMMING LANGUAGES: JavaScript, C#, Python, PHP, Java

WEB DEVELOPMENT: React, Angular, HTML, CSS

BACKEND FRAMEWORKS: Express, NodeJS, Laravel, Flask, .NET Core

DATA MANAGEMENT: MySQL, PostgreSQL, Pandas

DEVOPS AND CLOUD: Git, Docker, Azure, Google Cloud Platform

IN PROGRESS: Kubernetes, Terraform, AWS, Machine Learning

EDUCATION

M.S. Computer Information Science

Harrisburg University of Science and Technology | Harrisburg, PA

May 2023 – May 2025

B.Sc. Computer Science

Minor in Mathematics

University of North Texas | Denton, TX

Aug' 2015 – May 2020

CERTIFICATIONS

Intensive Cloud Computing Training

The Cloud Bootcamp

March 2024 – March 2025

COURSEWORK

Data Structures and Algorithms

Data Engineering and Mining

Theory of Computation

Computing Systems Architecture

Big Data Architectures

PROJECTS

AI Assistant | Python, Taipy, AI

Created personal assistant integrating OpenAI API with Taipy using built in libraries to create user interface.

COVID Insight | Python, Pandas, Scikit-Learn

Analyzed COVID-19 impact on travelers, employees, and businesses, employing Python libraries for data manipulation, visualization, and predictive modeling.