Fahim Shams

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Summary

Full Stack Engineer with **3+ years** of experience designing and optimizing systems and services. Proficient in **Java, Python, JavaScript**, and frameworks like **Spring Boot, Flask, Node.js, React and Angular**. Currently exploring AI models and cloud technologies.

Skills

Programming Language: Java, Python C#, JavaScript, TypeScript

Frameworks and Libraries: Spring Boot, Flask, ASP.NET Core, Express, Node.js, Angular, Next.js, React

Data handling: Pandas, Scikit-learn, MySQL, MongoDB

Cloud, AI & others: AWS, Docker, GitHub Actions, OpenAI, RAG, Git, GitHub, npm, pip

Experience

Computer Software Engineering Technology Instructor   *Lancaster, USA*
Thaddeus Stevens College of Technology   *Aug' 2021 – Present*

- Designed and delivered curriculum for 8 courses in software development, covering languages and frameworks such as PHP, Laravel, Python and Java, with a focus on Object Oriented Programming, Data Structures and Algorithms.
- Improved student performance and course completion rates by 20% through engaging instruction and updated course materials aligned with industry standards.
- Mentored students across different domain with 55% securing internships or IT roles post-graduation.

Full Stack Software Engineer (Contract via Randstad Technologies)   *Remote, USA*
Plus One, an Optum Company   *June 2022 – May 2023*

- Developed scalable system features using **REST APIs** and microservices in **ASP.NET Core**, enhancing cross platform performance and improving the experience of 10K+ users.
- Built reusable and modular front-end components using **Angular** and **TypeScript,** improving development efficiency and UI consistency.
- Integrated **third-party APIs** and optimized **microservices** communication, enhancing data flow and expanding system capabilities.

Full Stack Developer (Client: PNC Bank)   *Remote, USA*
Tata Consultancy Services Limited   *Aug' 2020 – June 2022*

- Developed scalable **microservices** using **Java** and **Spring Boot** for internal banking systems, boosting system performance by 20% through optimized service architecture.
- Built dynamic, reusable front-end components using **TypeScript** and **Angular,** enhancing app responsiveness and enabling seamless data interaction via state management and service integration.
- Maintained 90% application uptime by implementing robust testing strategies with **Jasmine**, ensuring system reliability and minimizing internal service disruptions.

Education & Certification

Master's in Computer Information Science   *Harrisburg, PA*
Harrisburg University of Science and Technology   *2023 – 2025*

Bachelors in Computer and Information Science   *Denton, TX*
University of North Texas   *2015 – 2020*
Minor in Mathematics

Microsoft Azure Fundamentals
Issued by: Microsoft | Date: April 2025

Projects

Automating Student Insights LINK: Developed an event-driven solution using **AWS Lambda, EventBridge**, and **Canvas API** to automate student data processing and notifications via **SNS**.

Weather Dashboard LINK: Developed a **Python**-based weather dashboard that fetches real-time data from **OpenWeather API** and stores it in **AWS S3** using **boto3** for scalable cloud storage.