

# Fahim Shams

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## Summary

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Adaptable software engineer with a passion for learning new technologies. Skilled in full-stack development and aligning technical solutions with business goals. Quick to adapt and innovate, collaborating across teams to deliver impactful software solutions that drive success and growth.

## Education

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### Master's in Computer Information Science, 2023 – 2025

Harrisburg University of Science and Technology, Harrisburg, PA

Courses: Data Structures and Algorithms, Data Engineering and Mining, Computing Systems Architecture, Big Data Architectures

### Bachelors in Computer and Information Science, 2015 – 2020

University of North Texas, Denton TX

Minor in Mathematics

## Skills

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**Programming Language:** Python, Java, C#, PHP, Typescript

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

**Data handling:** Pandas, Scikit-learn, MySQL, Chroma DB, SQLite

**Cloud, AI & others:** AWS, Docker, GitHub Actions, OpenAI, RAG

## Experience

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### Software Engineer | Plus One, an Optum Company | Remote, USA

June 2022 – May 2023

- Increased app efficiency by 30% by developing key features using **REST APIs** and microservices in **ASP.NET Core**, improving scalability and user experience across multiple platforms.
- Reduced load times by 25% by optimizing front-end performance with **lazy loading**, using **Angular** and **TypeScript**, resulting in a smoother, faster user experience.
- Integrated **third-party APIs** and leveraged **microservices** architecture to enhance app capabilities, improving data flow and ensuring seamless system communication.

### Software Developer | Tata Consultancy Services Limited | Remote, USA

Aug' 2020 – June 2022

- Developed scalable **microservices** using **Java** and **Spring Boot**, improving system performance by 20% through optimized backend services and seamless integration with front-end components.
- Developed dynamic, reusable front-end components using **TypeScript** and **Angular**, integrating with **microservices** with **data binding** and **state management** to enable data interactions, improving app responsiveness and user satisfaction
- Achieved 90% application uptime by implementing comprehensive testing strategies with **Jasmine**, ensuring high system reliability and minimizing service disruptions across the platform.

## Projects

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**Vibe Destiny [LINK](#):** Built an AI-powered web application using **Next.js**, **Flask**, and **OpenAI's GPT-3.5** to generate personalized travel itineraries, integrating the **YouTube API** for mood-based song recommendations and styled with **Tailwind CSS**.

**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.