

Shaarif Sajid

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Backend / Full-Stack Engineer with 3+ years of experience building C#, .NET, SQL, and Python-based systems. Specialize in API-driven backend development, system integrations, and high-volume data workflows. Strong foundation in distributed systems and security (Georgia Tech), with a focus on performance, reliability, and modern database optimization.

EDUCATION

Georgia Institute of Technology

MS in Computer Science

August 2019 - December 2022

Relevant courses: Computer Networks, Advanced Operating Systems, Secure Computer Systems, Network Security

Lahore University of Management Sciences (LUMS)

BS in Computer Science

August 2015 - June 2019

Relevant courses: Advanced Programming, Data Science, Software Engineering, Data Structures, Deep Learning

TECHNICAL STRENGTHS

Prog. Languages	Python, C#, .NET, Go, PHP, C++, JavaScript, C, SQL, Bash, HTML
Software & Tools	AWS, Azure, Docker, SSMS, Azure Data Studio, Git, Azure DevOps

PROFESSIONAL EXPERIENCE

Corpay, Software Engineer (Backend, Integrations, Product)

March 2024 - Present

- Lead integration engineer for onboarding new airline clients; own API contracts, data mappings, and backend workflows.
- Build and maintain backend features in C#, .NET, SQL, and ASP.NET Core for crew lodging and reservation systems.
- Modernized legacy services for PCI DSS 4.0/SOX compliance and improved performance through optimized SQL and ETL flows.

Fuzzy Logic Consulting, Software Engineer (Data Analysis)

April 2023 - January 2024

- Built secure, scalable Python data pipelines supporting analytics workloads.
- Improved ingestion throughput, reliability, and data-handling practices for client systems.

Georgia Tech, Graduate Teaching Assistant

January 2021 - May 2022

- TA for Information Security (CS 6035) and Computer Networking (CS 3251).
- Delivered labs and assessments on TCP/IP, HTTP, DNS, cryptography, and malware analysis.

Georgia Tech, Graduate Research Assistant (Cloud Security)

August 2019 - December 2020

- Built secure AWS-based pipeline analyzing global Derusbi APT activity.
- Implemented cloud monitoring, detection logic, and scalable security analytics workflows.

PROJECTS

- **Distributed gRPC + MapReduce Engine** (C, C++): Built a distributed compute engine using gRPC and MapReduce, demonstrating scalable backend architecture.
- **Large-Scale Data Processing & Security Analytics** (Python): Built analytics tooling to process terabytes of IPv4 data and extract application-layer insights with emphasis on performance and reliability.
- **Malware Analysis & MITRE ATT&CK Mapping** (Python, IDA Pro): Analyzed malware families and automated behavior classification pipelines aligned with ATT&CK techniques.