Shaarif Sajid

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Full-Stack Engineer with 3+ years of experience building systems in C#, .NET, SQL, and Python. Strong focus on API-driven backend development, system integrations, and high-volume data workflows. Solid foundation in distributed systems and security (Georgia Tech) with an emphasis 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*
- Design and build backend features in C#, .NET and SQL for high-volume crew lodging and reservation platforms handling thousands of reservations per day.
- Modernized legacy services for PCI DSS 4.0 and SOX compliance by hardening APIs, improving data validation, enhancing tokenization and sensitive data handling.
- Drove integrations and SAML-based SSO redesign for 4+ airline clients across the US, Europe, and Australia, owning API contracts, data mappings, authentication flows, and end-to-end system integrations.

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).
- Designed, developed and 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.