

Ashiqur Rahman, Software Engineer

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LINKS	LinkedIn		
PROFILE	Software Engineer with a Postgraduate Diploma from Trinity College Dublin specializing in scalable infrastructure and high-impact systems . Experienced in developing automated data pipelines and leveraging AWS to build fault-tolerant, low-latency architectures. Proven track record in system monitoring , technical troubleshooting, and maintaining high service availability in complex enterprise environments.		
WORK AUTHORIZATION	Legally authorized to work in Ireland (Stamp 1G)		
EDUCATION			
Sep 2023 — Feb 2025	Postgraduate Diploma in Computer Science, Trinity College Dublin	Dublin, Ireland	
	Grade: 2.1		
	Coursework: Privacy and Security, Artificial Intelligence, Software Engineering and Distributed systems.		
Jul 2019 — May 2023	Bachelor of Technology in Electronics and Communication , SRM Institute of Technology and Science	Chennai, India	
	Grade: 1.1		
	Coursework: Machine Learning, Control Systems, Computer Communication Networks, Wireless Communications		
PROFESSIONAL EXPERIENCE			
2024 — 2025	Application Support Engineer, Millennia Global Soft Pvt Ltd	Remote (Dublin)	
	<ul style="list-style-type: none">Acted as a Designated Responsible Individual (DRI) for monitoring enterprise system health, proactively managing service degradation and downtime for high-impact ERP infrastructure.Utilized Python and SQL to build observability tools that diagnosed API and data-synchronization failures, achieving a 90% resolution rate for critical service interruptions.Automated high-scale workflows by integrating hardware telemetry with cloud-based ERP systems, improving data precision by 40% and ensuring system reliability.Authored 15+ technical specifications and SOPs in Confluence to drive consistency in monitoring and operations at scale.		
PROJECTS			
Mar 2025	Warehouse Automation Rollout for Larson & Toubro Shipyard Ltd India)	Dublin	
	Millennia global Soft Private Limited		
	Aim: Facilitated the large-scale deployment of automated logistics systems across 10+ shipyard facilities , streamlining complex data flows and reducing manual processing time by 30% . Executed SQL-driven validation that improved discrepancy detection by 40% , ensuring 100% data integrity across 50,000+ enterprise asset records . Managed the technical support lifecycle for software-defined workflows, performing incident triage to maintain critical operational uptime in a distributed environment.		
2024	Disaster Response Management System – Trinity College Dublin	Dublin	
	Aim:Engineered a high-availability Django and MySQL platform for real-time disaster response orchestration, supporting telemetry from 5+ external APIs . Implemented automated monitoring scripts with failover logic for API integrations, ensuring system resilience and high observability during stress testing. Optimized database performance via indexing to achieve a 20% reduction in dashboard load times , maintaining the low-latency response required for critical network services.		

Aim: Engineered a peer-to-peer (P2P) protocol using **Named Data Networking (NDN)** for content-based addressing, achieving a **25% reduction in network latency**. Implemented **TCP** for reliable transmission and **UDP** for lightweight routing updates between virtual nodes, demonstrating deep competency in core **Software Defined Networking (SDN)** principles. Enhanced system security by 30% using **ECC/AES encryption** and optimized traffic via distance vector routing algorithms to prevent network congestion in distributed environments.

SKILLS	Python (automation scripts, data handling)	Microsoft 365 (Onedrive, Sharepoint, Teams, Powerpoint, Word)
	Java (Object Oriented Programming)	SDN Concepts
	SQL (queries, validation)	Telemetry
	AWS (Lambda, DynamoDB)	Communication (English Proficient, verbal & written)
	Git (Version Control)	Technical Documentation (Confluence, SharePoint),
	Confluence	Load Balancers
	Odoo ERP (workflow customization, asset tracking)	TCP/IP
	cloud-based monitoring (AWS IoT Core)	NDN
	REST APIs	SRE Principles

CERTIFICATIONS

2025	Aws Cloud Practioner Essentials - Udemy Academy
2025	GDPR Awareness and Data Protection Basics - LinkedIn Learning
2024	Microsoft Azure Fundamentals: Management & Governance - Microsoft Learning
2024	Python (Problem Solving – Gold Badge) HackerRank