

# Gaurav Joshi

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## EXPERIENCE

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### ISN

Dallas, TX

#### *Senior Associate Software Developer*

Jan 2025 - Present

- Developed SQL stored procedures to ingest **25K+** certification records from third-party regulatory agencies and training providers into ISNetworld
- Managed complex SQL deployments as part of a company-wide database CI/CD revamp reducing manual release efforts
- Modernized ISN email framework, introducing email batching and optimizing LINQ queries to deliver **10K+** emails within seconds without disruptions
- Optimized query performance across ISN bulletin boards, reducing bulletin delivery time from over **30 seconds** to under **2 seconds** for **50K+** bulletins across hundreds of contractors
- Designed and developed a proof-of-concept natural language worker querying engine for ISN contractors using Azure AI Search, Azure CosmosDB, and Azure OpenAI Foundry, winning **runner-up** at ISN hackathon out of 9 projects

#### *Advanced Associate Software Developer*

July 2023 - Dec 2024

- Early engineer in ISN's Empower App division which has grown to support **300K+** daily active users
- Mentored new team members, developed software release plans and built API usage docs for Empower APIs
- Designed back end infrastructure for delivering iOS and Android notifications to Empower users using Azure serverless functions, message queues, **10+** RESTful APIs across **3** microservices
- Contributed towards company-wide architectural rewrite for revamping ISN Trainings to deliver **2.5** million trainings across ISNetworld and Empower
- Built **SQL** queries, stored procedures to deliver multi-lingual app support to **25K+** users in Mexico and Canada

### Nokia

Sep 2022 - Dec 2022

#### *5G Engineer Intern*

Coppell, TX

- Streamlined software upgrades and automated test reporting for T-Mobile LTE/5G radio products using the Nokia Automation Framework (NAF) and Power Query

### ISN

Jun 2022 - Aug 2022

#### *Software Developer Intern*

Dallas, TX

- Built Contractor Map Search POC in .NET MVC with AmCharts and introduced Redis + ETag caching, improving reload times by **15%**

### Mississippi State University

Feb 2020 - Sep 2020

#### *Intermittent System Security Analyst*

Starkville, MS

- Identified attack vectors using the MITRE ATT&CK framework and helped improve threat intelligence for campus systems
- Developed Python scripts to analyze **200K+** logs for anomaly detection across multiple servers in the Threat Management Center

## EDUCATION

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### The University of Texas at Dallas

Richardson, TX

#### *Master of Science in Computer Science*

Aug 2021 - May 2023

### Mississippi State University

Starkville, MS

#### *Bachelor of Science in Computer Science*

Jan 2016 - Dec 2019

## SKILLS AND CERTIFICATIONS

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Backend & Cloud    C#, Java, .NET, Azure App Service, Azure Service Bus, Azure AI Search

Data & Storage    Azure CosmosDB, MongoDB, Microsoft SQL Server

Certifications    AZ-204 Azure Developer Associate, CodePath Android Developer