

# NICHOLAS A. D'AGOSTO V

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## SKILLS

- **Languages:** Python, C#, TypeScript, JavaScript
  - **Frameworks:** Next.js/React, Vue.js, C#/.NET
  - **Databases:** MSSQL, Postgres, SQLite, MySQL
  - **Tools:** Git/GitFlow, Linux, Docker
  - **Cloud:** AWS (EC2, Lambda, S3, RDS, Elastic Beanstalk, EventBridge, CloudFront, CloudWatch, IAM, OpenSearch)
  - **Observability:** ELK Stack, OpenSearch
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## EMPLOYMENT

**Reality Interactive**, Middletown, CT

*Software Engineer*, May 2023 - Present

- Built a RAG powered chatbot for a major U.S. mall operator's public site using Next.js, React, Python, OpenAI APIs, and Weaviate; implemented automated AWS Lambda + EventBridge ingestion pipelines to continuously refresh store hours, promotions, events, and tenant data.
  - Developed and extended a real time telemetry and content distribution platform for thousands of Android based digital signage players using C#/.NET, MSSQL, and Vue.js, supporting live device monitoring, content delivery, and operational analytics.
  - Led migration from a legacy ELK stack to AWS hosted OpenSearch + Logstash infrastructure, improving indexing resiliency, alerting reliability, and storage lifecycle management while reducing cloud infrastructure costs by ~10%.
  - Maintained existing ELK stack, then led migration to Logstash and OpenSearch on AWS, optimizing cluster configuration and storage policies to reduce cloud costs by ~10% and improve system uptime through more resilient indexing and alerting pipelines.
  - Maintained and enhanced AWS observability and analytics infrastructure across EC2, S3, RDS, CloudWatch, and OpenSearch; built operational dashboards and alerting pipelines to surface device health, log analytics, and fleet wide operational issues at scale.
  - Contributed to Android application development in Java, implementing UI and accessibility improvements deployed across several thousand client devices.
  - Supported production incident response, troubleshooting, and cross-functional delivery efforts in collaboration with engineering, QA, and product teams.
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## EDUCATION

**University of Connecticut School of Engineering**, Storrs, CT  
GPA: 3.5

*B.S. in Computer Science*, May 2023

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## CAPSTONE PROJECT

**Food Truck Mobile Ordering App**, Storrs, CT

2022 - 2023

- Built offline-first mobile ordering system designed for resilience during network loss.
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## CERTIFICATIONS

- AWS Cloud Foundations Certification
- AWS Data Engineering Certification