Nikhil D'Mello

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SUMMARY

Software engineer with 3 years of experience building distributed systems, AWS services, internal platforms, and product applications. Improved reliability, eliminated timeout-driven failures, and drove meaningful cost savings through internal tooling.

EXPERIENCE

Associa | *Software Engineer*   *Mar 2023 - Jan 2026*
- Core engineer on backend services and internal platforms for TownSq across deployment automation, authentication, and event-driven processing in AWS.
- Owned key parts of a DACPAC-based database deployment platform that replaced third-party tooling, standardized schema deployments across environments, and drove significant annual cost savings.
- Led the re-architecture of synchronous APIs into event-driven serverless workflows using AWS Lambda, EventBridge, DynamoDB, and SQS, eliminating timeout failures and enabling 10,000+ records per hour.
- Improved reliability and production debugging with retries, DLQs, autoscaling, structured logging, correlation IDs, and CloudWatch metrics.
- Partnered across teams on incidents and recurring operational pain points, turning support-heavy issues into durable engineering fixes.

ASICS Digital | *BI Developer Co-op*   *Jan 2022 - Jul 2022*
- Built analytics pipelines and dashboards for e-commerce reporting, contributing to revenue growth and reducing manual reporting overhead.

PanAgora Asset Management | *DevOps Engineer Co-op*   *Feb 2021 - Jul 2021*
- Implemented CI/CD automation for data science workflows, reducing deployment time by 80% and improving release reliability through automated testing and rollback.

PROJECTS

microsoft/vscode | *Open Source Contributor*
- Contributed merged fixes for markdown preview parsing (PR #269635) and screencast mode (PR #176149).

Upside
- Built an iOS marketplace app for creators and brands with role-aware onboarding and swipe-based matching.

Cubs ARcade | *2nd Place, GENESIS x Omnia XR Hackathon*
- Built an AR brand experience for the Chicago Cubs in 30 hours using JavaScript and A-Frame; won $500.

EDUCATION

Northeastern University | B.S. in Computer Science & Business Administration | GPA: 3.6/4.0 | Dec 2022

SKILLS

TypeScript/JavaScript, Python, SQL, C#, Swift, AWS, AWS Lambda, EventBridge, DynamoDB, SQS, CloudWatch, Node.js, .NET, React, Jenkins, Git