

# TANAY DALAL

Chicago, IL

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## Education

**Virginia Polytechnic Institute and State University**

**Expected May 2026**

*Master of Information Technology*

**Illinois Institute of Technology**

**May 2024**

*Bachelor of Information Technology and Management*

*GPA: 3.5*

## Technical Skills

**Backend & Cloud:** API Development, AWS (Lambda, EC2, S3, DynamoDB, CloudWatch, SNS), Microservices Architecture, Docker, Database Design

**Languages & Frameworks:** Java, Python, JavaScript, HTML/CSS, C++, Shell Scripting

**Development & Tools:** Spring Boot, Git, CI/CD, Microservices, Agile Development

**Systems & Databases:** SQL, NoSQL (MongoDB), RESTful APIs, Cloud Architecture

## Certifications

- AWS Certified Cloud Practitioner
- AWS Cloud Developer

## Experience

**Software Engineer Intern**

**May 2023 – August 2023**

*Alight Solutions*

*Chicago, IL*

- Designed and implemented backend microservices using Python and Java, creating scalable APIs and achieving 40% performance improvement through containerized deployment.
- Developed responsive web interfaces and RESTful APIs with comprehensive documentation, maintaining 99% uptime.
- Orchestrated automated testing pipelines using JUnit and PyTest, reducing deployment time by 50% while maintaining quality standards.
- Built and optimized CI/CD pipelines integrating automated testing, monitoring, and deployment strategies.
- Led daily standups and sprint planning sessions in Agile teams, collaborating with cross-functional teams.

## CVS

**February 2021 - May 2023**

*Shift Supervisor*

- Led operational team in inventory management and process optimization, implementing efficient error detection workflows.
- Managed supply chain operations and stock optimization, achieving 97% customer satisfaction rate through systematic problem-solving.

**Oakton Community College**

**August 2019 - May 2021**

*Technical Support Specialist*

- Collaborated with cross-functional IT teams to resolve complex TCP/IP network connectivity issues across Windows, Linux, and MacOS environments, improving average resolution time by 35%.
- Developed and maintained automated testing scripts using PowerShell to streamline routine system maintenance tasks, reducing manual workload by 30%.

## Projects

**Data Integration Platform** | *Java, Spring Boot, RESTful APIs, Git/GitHub*

**March 2024**

- Led a 5-person Scrum team using Jira for sprint planning and backlog grooming, achieving 95% sprint velocity and delivering features on time across 6 sprints.
- Architected microservices using Spring Boot and domain-driven design, implementing Git pull request workflows and automated CI/CD pipelines with Jenkins.
- Developed automated deployment scripts using Unix shell scripting and integrated with Oracle SQL database schema management, reducing deployment time from 45 to 15 minutes.

**Enterprise Data Integration Platform** | *Python, Java, AWS, Apache Kafka*

**January 2024**

- Architected backend services using distributed systems principles, implementing fault-tolerant network protocols with 95% test coverage.
- Designed microservices architecture using Apache Kafka and AWS SQS, ensuring 99.9% message delivery reliability across multiple data centers.
- Developed cloud-based monitoring dashboard using React and AWS APIs, implementing automated failover capabilities and reducing incident response time by 60%.