

# Siddhi Shah

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Work Authorization: Permanent Resident

Results-driven Software Developer with 5+ years of experience building scalable applications and microservices using C#, Java, and .NET. Skilled in AWS cloud, automation, and performance optimization with a focus on secure, high-quality software delivery.

## EXPERIENCE

### Software Developer II, United Wholesale Mortgage | Pontiac, Michigan

Jul 2023 – Sept 2025

- Dynatrace Dashboard:** Built and maintained dashboards to monitor app performance, infrastructure, and user experience using DQL, calculated metrics, and log analysis.
- PDF Generation Microservice:** Developed a C# microservice for dynamic PDF creation with Aspose, Azure CosmosDB, and Redis (Cache-Aside pattern), handling 1K+ daily requests with improved XML processing and data compliance.
- Decouple Loan data from DAL:** Separated loan data from the DAL, cutting database calls by 60% and boosting system performance by 30% via optimized session storage.
- Loan Calculation & Compliance Improvements:** Improved loan processing accuracy and regulatory compliance by integrating additional balance data for origination and closing, ensuring 100% accuracy for VA loans.
- Internal Tool for sanitizing PII:** Built backend and React components for an internal tool that sanitized PII in 100+ daily XML requests, enhancing data security and improving test efficiency by 25%.
- Monolith to Microservice Migration:** Migrated document generation events and pushbacks to a standalone microservice, improving scalability and reducing processing time by 30%.
- Deployment & Security Enhancements:** Implemented feature flags for controlled rollouts and resolved 30+ vulnerabilities across multiple apps, improving deployment agility by 40% and reducing security risks by 70%.
- Kafka-Based Data Implementation:** Developed real-time data flow using Kafka topics and unified data models, ensuring consistent and scalable data access across microservices and improving throughput by 30%.
- Test Automation and Validation:** Implemented xUnit unit tests, mutation testing with Stryker.NET, and integration tests using Testcontainers and WireMock to ensure code reliability and coverage.

### Software Developer II, Hyland Software Inc. | Remote

Aug 2022 - May 2023

- IAM API Development:** Developed RESTful APIs in C# (.NET Core) with PostgreSQL for Hyland Experience Platform (HxP), improving authentication workflows and overall system reliability.
- API & Access Control Enhancements:** Enhanced authentication using Home Realm Discovery, added case-insensitive user lookup and REST API pagination, and integrated new resource scopes to strengthen access control.
- CI Pipeline & Quality Improvements:** Optimized CI pipelines to automate infrastructure checks across dev, staging, and production, resolving 20+ high-priority issues and improving maintainability.
- Cross team collaboration for account onboarding:** Collaborated with 10+ cross-functional teams to deliver account onboarding through AWS SQS and SNS, ensuring seamless and scalable communication between services.
- Mentorship & Community Engagement:** Mentored junior developers and actively supported women-in-technology initiatives to foster inclusion and professional growth.

### Software Engineer, Tata Consultancy Services Limited | Remote

Aug 2019 - July 2022

- Full Stack Development:** Contributed as a full-stack developer with emphasis on Java and Spring Boot, using HTML, CSS, JavaScript, and Angular to build responsive and scalable web applications.
- Test Automation & Quality:** Created 200+ JUnit unit and integration tests to ensure code reliability, identifying and resolving 50+ bugs to improve system stability.
- Compliance Dashboard:** Led the development of an AWS QuickSight and Athena dashboard to visualize employee compliance data, enabling real-time insights for business teams.
- Performance Optimization:** Improved dashboard performance by optimizing queries and implementing client-driven enhancements, reducing execution time and AWS costs by 50%.

## TECHNICAL SKILLS

**Languages & Databases:** C#, Java, SQL, MySQL, PostgreSQL, SQLite, CosmosDB, MS SQL Server

**Frameworks & Libraries:** .NET, ASP.NET, Spring Boot, Spring, Spring, Hibernate, JPA/ORM, React, Node.js, REST, JSON, Swagger, Agile-Scrum

**Tools & Platforms:** Git, Bitbucket, Docker, Dynatrace, Visual Studio, AWS, Kafka, Postman, Thunder Client

**Certifications:** AWS Certified Developer – Associate | AWS Certified Cloud Practitioner | AWS Certified AI Practitioner (In Progress)

## EDUCATION

M.S., Computer Science - Kent State University

Aug 2018

B.E., Computer Engineering – Gujarat Technological University

June 2015

## PROJECTS

**Keyword-Based Chatbot (C#):** Built a chatbot using keyword detection to interpret user messages and generate relevant responses, applying basic NLP and string-handling techniques. Integrated a simple intent-recognition module and followed a modular design for easy scalability. Designed and completed this self-driven project to strengthen AI fundamentals and hands-on programming skills.