

Angelica Wilson

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[LinkedIn](#)

[Github](#)

[Portfolio](#)

SKILLS

Languages & Backend: Node.js, TypeScript, JavaScript, Express.js, REST APIs (experience with Python; familiarity reviewing Ruby)

Cloud & Infrastructure: AWS (Lambda, SQS, API Gateway, IAM, Step Functions, S3, DynamoDB), Serverless Architectures

Architecture & Distributed Systems: Microservices, Event-Driven Systems, Reliability Patterns, Fault-Tolerant Design

Testing & Tooling: Jest, Git, CI/CD workflows, Feature Flags, Logging & Observability, Debugging & Production Support

Practices: Agile SDLC, Technical Documentation, AI-assisted development (GitHub Copilot)

PROJECTS

Queue Retry Dashboard & Event-Driven Microservice: TypeScript, Node.js, AWS (SQS, Lambda), React

- Designed and built an event-driven retry microservice to track, retry, and surface failed asynchronous jobs using AWS SQS and dead-letter queues.
- Implemented fault-tolerant retry logic with backoff strategies and idempotent message handling to prevent duplicate processing.
- Built REST APIs in Node.js/TypeScript to expose queue metrics, retry history, and failure states to downstream consumers.
- Developed a lightweight React dashboard to visualize message states, retry attempts, and system health in near real-time.
- Integrated structured logging and error handling to improve observability and debugging of distributed workflows.
- Deployed and operated the system end-to-end, focusing on reliability, scalability, and production-ready patterns.

PROFESSIONAL EXPERIENCE

Software Engineer - Northwestern Mutual, June 2021 - Current

- Modernized critical internal healthcare-adjacent systems by rebuilding legacy services into Node.js and TypeScript APIs, improving reliability, clarity, and long-term maintainability.
- Designed, developed, and deployed backend services using Node.js, TypeScript, and AWS (Lambda, SQS, SNS, API Gateway) with direct ownership from development through production.
- Built and extended RESTful APIs used across multiple business applications, implementing input validation, structured error handling, and scalable response patterns.
- Improved production reliability by implementing retries, backoff strategies, dead-letter queues, and proactive monitoring with CloudWatch.
- Wrote comprehensive unit and integration tests with Jest to ensure correctness and safe deployments.
- Collaborated closely with product managers, QA, and engineers to deliver features through iterative development cycles and fast feedback loops.
- Mentored junior engineers through code reviews, debugging sessions, and backend best practices.

Technical Admissions Specialist (Software Engineer Intern) - App Academy, March 2021 - June 2021

- Conducted technical interviews with candidates, reviewing JavaScript, Python, and Ruby fundamentals.
- Coached applicants on engineering communication, debugging strategies, and problem-solving approaches.

Social Services Specialist - Oklahoma Department of Human Services, Feb 2019 - Aug 2020

- Analyzed client information to determine eligibility of clients and applied state policy and law.
- Managed complex case load and communicated findings to clients and government community partners.
- Utilized DHS Information Management System to confidentially manage sensitive client information.

Student Services Assistant - Clary Sage College, Oct 2015 - Jan 2019

- Coordinated student materials, resolved day-to-day issues, and collaborated with instructors and staff.

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (Fall 2020 - Feb 2021)

Oral Roberts University - BS - Counseling (Fall 2013 - May 2017)