# Kody Gentry

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## PROFESSIONAL SUMMARY

Driven by curiosity and a passion for problem-solving, Kody Gentry thrives in environments where he can innovate and deliver forward-thinking solutions.

With over three years of engineering experience and a B.S. in Computer Science from Texas State University, he specializes in data-driven and AI-enhanced development across web, API, and mobile platforms, with a strong focus on money movement and payment processing systems.

Operating in an SDET capacity, Kody frequently performs deep code analysis, backend validation, and database testing to ensure end-to-end system integrity. His diverse technical background allows him to approach challenges holistically, improving quality, visibility, and collaboration across teams.

## EXPERIENCE

**Automation Engineer II – Frost Bank**                                **May 2025 – Present**
- Leads automation strategy for money movement and payment processing systems, ensuring reliability and precision in mission-critical financial functions.
- Designs and maintains data-driven, AI-enhanced automation frameworks that proactively identify defects and accelerate test execution across web, API, and mobile platforms.
- Built internal full-stack automation tools from scratch, streamlining complex workflows and consolidating multiple systems into a unified, intuitive platform adopted across the bank.
- Collaborates cross-functionally in Agile sprints to drive scalability, efficiency, and visibility across all environments.

**Automation Engineer I – Frost Bank**                                **July 2023 – May 2025**
- Developed and maintained automated testing frameworks across web, API, and mobile platforms.
- Designed and executed test scripts using Selenium, Appium, and Karate integrated within Jenkins CI/CD pipelines.
- Collaborated with developers and QA to identify defects early, enhancing regression reliability and reducing manual testing time.
- Transitioned legacy TestNG tests into a Cucumber POM structure, improving maintainability and readability.
- Recognized with Frost Bank's Innovation Week Overall Award for developing a production-ready customer-facing app within one week.

**Test Automation Analyst – Ernst & Young**                                **May 2022 – July 2023**
- Supported automation framework design for enterprise financial and audit systems.
- Created and optimized Python and Selenium-based automation suites integrated with CI/CD pipelines.
- Collaborated with developers and analysts to troubleshoot defects, improve test coverage, and ensure system reliability.

## EDUCATION

**B.S. in Computer Science, Minor in Mathematics**                                *Texas State University*

## TECHNICAL SKILLS

**Languages**: Java, Python, SQL, C++, C, JavaScript, HTML, CSS, Gherkin
**Frameworks & Tools**: Selenium, Cucumber, Karate, Appium, TestNG, Jenkins, Flask, Django, Spring Boot
**Databases & Cloud**: PostgreSQL, AWS (RDS, EC2)
**Other**: Git, Linux, Agile Methodologies, Data-Driven Testing, API Testing, POM Framework Design, CI/CD Integration