

TYLER KAPADIA

SOFTWARE DEVELOPER

(762) 524-2836 | TYLER@FASTRAM.COM | DALLAS, TX

PROFESSIONAL SKILLS

- Communication, both verbal and written
- Strong presentation ability
- Adaptability and resilience
- Attention to detail and quality
- Data analysis
- Problem-solving
- Collaboration and mentoring

TECHNICAL SKILLS

- Python
- Typescript / JavaScript
- Java / Spring Boot
- Angular & React
- PostgreSQL
- C++
- Tableau
- Power BI
- Docker
- Github Actions
- Azure Data Factory
- REST APIs

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate
- AZ-900 Microsoft Azure Fundamentals
- DP-900 Microsoft Azure Data Fundamentals

EDUCATION

The University of Texas at Austin

May 2022 | Austin, TX

Bachelors of Science, Electrical and Computer Engineering

Technical Core: Software Engineering and Design

PERSONAL PROJECT

Sourdough Starter Monitoring Project | 2025

Device used to monitor rise/fall of a sourdough starter

- Built a mobile-focused monitoring system with a FastAPI backend serving real-time IoT sensor data
- Designed a modular IoT architecture using Raspberry Pi hardware, separating data collection, persistence (SQLite), and API layers for scalability
- Leveraged cloud and serverless components to deploy and operate backend services

PROFESSIONAL SUMMARY

Accomplished Full Stack Software/Data Engineer with 4+ years of experience in developing and deploying high-performance applications. Proven track record in leading cross-functional teams, optimizing deployment pipelines, and delivering scalable software solutions. Recognized for strong problem-solving skills, innovation, and effective collaboration across teams.

PROFESSIONAL EXPERIENCE

Senior Data Engineer

Capital One | Plano, TX | 2025 - present

- Enhanced large-scale PySpark data pipelines on Amazon EMR, utilizing Snowflake to power email marketing campaigns across Auto Navigator, banking, and card customers
- Led the integration of My Garage customer data into core marketing datasets, enabling new email campaigns projected to drive \$3M+ in incremental auto loan revenue
- Partnered closely with Marketing Business stakeholders to translate evolving campaign requirements into scalable data models, improving customer targeting, data accuracy, and campaign effectiveness.

Software Developer

American Airlines | Fort Worth, TX | 2022 - 2025

- Led a successful full stack rewrite of Squad360 (a taxonomy app), achieving a 90% reduction in deployment time using CI/CD
- Developed the UI for WhereWeFly, a new map feature on our internal employee travel tool with over 100k users
- Collaborated with AA and Microsoft engineers on a proof of concept for the Pilot ECS app, which was demoed to the Pilot Union
- Spearheaded the upgrade of the Pilot Trip Trade System UI from Angular 3 to Angular 15
- Optimized application image sizes utilizing multi stage docker builds, leading to a 75% size reduction in the UI build size
- Recognized for leadership and ability to influence executives and was promoted in less than a year with the company

Technology Summer Analyst

Accenture | Dallas, TX | 2021

- Collaborated with senior team members to implement SFAE PI and feature improvements within global teams
- Developed status and productivity improvement dashboards in Power BI which helped surface 900 effort hours in savings
- Produced C Suite focused presentations and visuals for both Accenture and client teams
- Transformed key parts of the global automation team by greatly increasing transparency through data analysis

LEADERSHIP EXPERIENCE AND AWARDS

UT Student Engineering Council | Senior Advisory Board 2018 – 2022

- Organized quarterly resume reviews and recruitment focused events for SEC members, especially underclassmen
- Headed a small group of SEC members for biweekly meetings to discuss topics ranging from career to personal development
- Organized K-12 STEM FEST at Graham Elementary to introduce 120+ 4th Graders to STEM activities
- Partnered with Chevron to put on Makeathon, an engineering design competition that involved 75+ UT students