Darren Zhang

darrenzhang905@gmail.com │ linkedin.com/in/darrenzhang905 │ github.com/darrenzhang905 │ darrenzhang.dev

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python, Java, C, Swift, Ruby, SQL
Frameworks: Node, Angular, React, Next.js, Tailwind CSS, Junit, Cypress, Spring Boot, Cucumber, Maven, Mockito
Software: AWS, Git, Splunk, Snowflake, New Relic, Jenkins
Certifications: AWS Certified Cloud Practitioner, AWS Certified Solutions Architect - Associate

WORK EXPERIENCE

Capital One   New York, NY
Software Engineer   August 2023 – April 2025
- Rebuilt the account opening resume flow to allow continuation of previously stopped applications, improving conversion rates by 10% and reducing average handling time from 10 to 5 minutes
- Validated and released new account opening UI on iPads across all Capital One branches and cafes to provide better in-person customer experience, increasing number of accounts opened daily by 5%
- Migrated component and integration end-to-end tests from Sauce Labs to BrowserStack, achieving a 33% increase in speed and significant cost savings
- Integrated Evinced Cypress SDK into Jenkins pipeline to automatically detect accessibility issues, ensuring the UI adheres to ADA accessibility guidelines and proper ARIA implementation
- Developed an automated script to manage the deployment and removal of the maintenance page, decreasing manual engineer time from 20 minutes to less than 1 minute
- Spearheaded the creation of the organization's first backend for frontend (BFF) endpoint, establishing a technical pattern that improved code maintainability and decreased frontend complexity by decoupling business logic from UI components

Associate Software Engineer   August 2022 – August 2023
- Delivered self-service zero balance and internal transfer account closure functionalities to minimize call center volume, enhancing customer mobile app experience
- Collaborated with product and design teams to create new user-friendly screens, updating customer messaging for clarity and ensuring compliance with the latest design standards
- Successfully refactored APIs for all iOS account management features as part of the app modernization initiative, eliminating specific dependencies and legacy code
- Integrated UI tests into a Jenkins CI/CD pipeline with nightly runs and Slack alerts, enhancing continuous monitoring and software reliability

Amazon - Software Development Engineer Intern   June 2021 – August 2021
- Designed a feature enabling seamless Kubernetes image overrides within Apache Flink and Zeppelin, slashing manual engineer time from hours to 20 minutes

PROJECTS

Costco Spreadsheet
- Crafted an application that calculates gold investment profits by comparing Costco with marketplace prices, featuring real-time integration with third-party pricing APIs

Corporate Speak
- Created a React web application that translates regular text into corporate jargon, utilizing a LLM API for natural language processing

EDUCATION

Carnegie Mellon University, B.S in Mathematical Sciences, Minor in Computer Science   May 2022