Darren Zhang

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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
- Completed bimonthly WAF rehydrations to maintain the security and reliability of online account creation, preventing cyber attacks and safeguarding against fraud
- 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

Associate Software Engineer   August 2022 – August 2023
- Implemented 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
- Onboarded UI tests into an automated Jenkins pipeline for nightly test executions and Slack notifications, to provide ongoing monitoring and issue detection, improving software quality and reliability

PROJECTS

Costco Spreadsheet
- Developed a Next.js application for calculating potential profits from gold investments by comparing Costco pricing with marketplaces
- Implemented real-time data integration with third-party APIs to fetch current market pricing of gold

Corporate Speak
- Created a React web application that translates regular text into corporate jargon, utilizing the Claude 3.7 API for natural language processing

EDUCATION

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