Matthew A. Chandra

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OVERVIEW

Versatile and results-driven professional with a proven track record in driving impactful projects, seeking opportunities to contribute my skills and experience to innovative projects and teams. Proficient in employing top-tier software engineering practice, implementing efficient design patterns, and utilizing a versatile skill set to fuel success in fast-paced and dynamic work settings With experience in software development, testing frameworks, and UI/UX design, I have consistently contributed to the success of diverse teams and organizations..

SKILLS

Languages: Java, Python, C, JavaScript
Technologies/Libraries: React.JS, ReactNative, Appium, Selenium, WebdriverIO, Robot Framework, Spring
Database Management: MySQL, GraphQL

WORK EXPERIENCE

Software Engineering Intern   **October 2023 - January 2024**
Sayurbox
- Supported the Growth and Discovery team in enhancing the overall user experience within the application.
- Revitalized the Sayurfluencer+ feature, resulting in a 15% increase in new user traffic and registrations for the application.
- Redesigned and implemented product thumbnails to increase user efficiency while adding items to cart.

Quality Assurance Engineer   **June 2022 - April 2023**
Concord USA
Client Engagements and Projects

Torrid Web Page Test Automation Framework   **January 2023 - March 2023**
- Assisted Torrid in creating a testing framework based on Robot and Selenium, allowing them to test their e-commerce web page for Tealium tags which helps their digital marketing efforts.
- Leveraged and developed a ready-to-use Python library, enabling the framework to use image recognition as a means of selecting UI elements.
- Implemented a CI/CD pipeline using CircleCI and BrowserStack to promote effective and efficient web page deployment.

Mobile Testing Framework   **August 2022 - December 2022**
- Built a native mobile app based on the fundamentals of React Native and GraphQL for the purpose of demonstrating a robust mobile testing framework to potential clients.
- Collaborated in creating an Appium and WebdriverIO-based testing framework to ensure the app's UX behaves as expected before being bundled and deployed.
- Applied software testing best practices such as the utilization of the Page Object Model (POM) design pattern ensure easy maintenance, code reusability, readability and reliability.

Timely Web App   **June 2022 - August 2022**
- Utilized React.JS to construct a clean and robust UI layer that is able to interact with the backend efficiently.
- Leveraged the Spring Boot framework to create a REST API which could handle requests and send accurate responses back to the frontend layer.
- Implemented the connection between the backend and the PostgreSQL database using JPA, supported by Hibernate.

Teaching Assistant   **January 2021 - May 2022**
College of Science and Engineering, University of Minnesota - Twin Cities
- Hosted office hours to offer students a platform for addressing any issues they encountered.
- Guided laboratory sessions to introduce and demonstrate new concepts to students.
- Reiterated fundamental ideas and concepts to reinforce understanding of topics taught by the instructor.

EDUCATION

MS, Computer Science   Expected Graduation: May 2025
Khoury College of Computer Sciences, Northeastern University, Seattle, WA
Cumulative GPA: 4.0

Bachelor of Science, Computer Science   May 2022
College of Science and Engineering, University of Minnesota - Twin Cities, Minneapolis, MN
Cumulative GPA: 3.87, Graduated with Distinction

Associate of Science, Computer Science   June 2020
Edmonds College, Lynnwood, WA
Cumulative GPA : 3.96, Graduated with Academic Honors