

KENNY CHEN

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Education

University of Toronto Scarborough

September 2020 – June 2025

Honours Bachelor of Science in Computer Science, with Co-op

GPA: 3.37/4

Work Experience

TheScore Media and Gaming, Inc.

May 2022 – December 2022

QA Automation Engineer Co-op

Toronto, ON

- Engineered and deployed automated testing scripts in **Kotlin**, employing **Appium** and **JUnit**, to enhance testing efficiency for Android and iOS mobile applications.
- Pioneered the adoption of **Selenium WebDriver** for automating web application testing, achieving 100% automation of smoke test suites and improving regression testing for the platform by 5%.
- Facilitated cross-team collaborations to establish automation requirements, significantly enhancing software quality and reducing dependency on manual testing.
- Managed automation test reporting and monitoring through **Jenkins**, ensured test relevance by regularly updating test cases, and leveraged Jira for effective coordination between development and QA teams, contributing to informed decision-making in release meetings.

Projects

Splitify | *JavaScript, React Native, AWS, iOS, Android*

May 2024 – Present

- Conceptualized and designed a **full-stack Android and iOS mobile application** in **React Native** enabling users to track shared expenses and manage debts.
- Deployed and managed the application's back-end storage, authentication, and data using **AWS Amplify** and **DynamoDB**, achieving **availability, scalability, and performance**.
- Implemented **MVC** design patterns for the software's architecture, ensuring a modular full-stack environment.

LangChainJS | *TypeScript, Generative AI, Open Source*

October 2023 – November 2023

- Implemented Buffer Memory modules in the LangChainJS open-source library, enabling **1,000,000+** developers to store past transactions with **Generative AI Agents** in memory based on tokenization mechanisms, supporting **50,000+** companies which depend on Generative Artificial Intelligence in their product.
- Designed and implemented unit tests ensuring module reliability, and collaborated with maintainers to ensure code meets functional and stylistic requirements.
- Composed technical documentation, enhancing code maintainability and facilitating easier onboarding processes for developers.

Fitbook | *TypeScript, MongoDB, NoSQL, React Native, Express, iOS, Android*

May 2023 – October 2023

- Engineered a **full-stack Android and iOS mobile application** in **React Native** enabling users to efficiently log, monitor, and share their workout routines, progress metrics, and personal achievements.
- Structured back-end logic and created API endpoints using **Express** and **MongoDB** to efficiently manage non-relational user data, workout routines, and progress metrics.
- Designed and implemented user-generated content features, enabling users to post and share their workouts with peers, enhancing community engagement.
- Collaborated in a team of 7 to execute the project in iterative sprints, aligning with **Agile** methodologies.

InvestoBot | *Python, Firebase, Discord, REST*

December 2021 – January 2022

- Conceptualized and created a Discord Bot using Python, simulating stock trading based on real-time market data sourced from requests to Yahoo Finance's API.
- Integrated **Firebase** as a dynamic back-end solution to manage and track Discord user data, including simulated account balances, stock holdings, and transaction history.
- Implemented deployment across several Discord servers, reaching 100 users, increasing community engagement by 10%.

Technical Skills

Languages: Python, Java, Kotlin, C, JavaScript, TypeScript, Bash

Developer Tools: VS Code, Eclipse, Android Studio, PyCharm, IntelliJ, GitHub, JIRA

Technologies/Frameworks: Git, React, React Native, AWS, Express.js, PostgreSQL, MongoDB, UML, Linux, Jenkins, JUnit, Appium, Selenium, Splunk, WireShark, MetaSploit

Interests: Cybersecurity, Bodybuilding, Hiking, Gaming