

As a passionate software developer with a background in life and pharmaceutical sciences, I bring effective communication, teamwork, analytical and critical thinking skills to innovative software development projects. Since graduating from Makers Academy bootcamp, I've mastered Test-Driven Development, pair programming and agile methodologies. As well as actively developing an app, I'm currently expanding my coding skills with a focus on full-stack technologies with regards to JavaScript and Python stacks. I am experienced in working across cross-functional teams to develop and deliver products with seamless User Interfaces providing excellent User Experiences. I am eager to leverage technological advancements for meaningful contributions and I am committed to continuous learning and growth in the dynamic and innovative field of software development. I am proficient with JavaScript, Python, Ruby, Kotlin, PostgreSQL, MySQL, React JS, React Native, Node JS, HTML, CSS, Bootstrap, Express JS, Jest, RSpec, Cypress and Android App Development.

WORK EXPERIENCE

- Mccords Management Services** / Assistant *Bournemouth UK*

Mar 2024 – Present

 - The team had issues with productivity levels and I noticed we had been undertaking tasks slowly, costing us more time as employees and costing the business money. Thus, I utilised Python web scraping technologies called Beautiful Soup to optimise the online data entry process, directly contributing to 50% increased productivity and 25% increased cost savings for the business.
 - We use Excel as a software to build and maintain databases, however there were issues with repetitive tasks and inefficiency that caused a decrease in morale and productivity. I then implemented Excel macros to streamline the data entry, resulting in a 100% increase in efficiency allowing for 50% faster and more accurate data entry for a robust client database and more optimised business operations.
- Unify Giving** / App Developer Volunteer *Remote*

Sep 2023 – Present

 - The frontend and the backend of the app had been completed, but were being used with mocking for testing and did not have full functionality. I participated in pair programming to connect the backend and frontend of the app together, allowing users to properly interact with app features allowing for an increased 25% retainment and acquisition of users which was measured during A/B testing.
 - Several frontend pages had been previously made for the functionality of the features; however, the efforts were focussed on the features and not the design. Thus, the company wanted to improve the UI (user Interface) and UX. I attended multiple stand-ups where I contributed to the improvements of pages such as the metrics page and account pages by helping to create a more consistent design that provided guidance to users and was aesthetically pleasing. This resulted in 25% more engagement which was measured during A/B testing.

Project	Description	Technologies & Frameworks
Food Share	<div><div>- Food waste is a huge issue in the UK along with a surging demand for food banks. Food Share aims to tackle both of these problems by providing users an innovative platform to help each other with by allowing the donating and collecting of excess food.</div><div>- I noticed that there was a lack of features that encouraged users to repeatedly use this application. So, I implemented a metrics page showcasing users' food waste reduction and positive environmental impact, driving customer retention and engagement. By visualizing their positive contributions, users are encouraged to return and utilize the app frequently, fostering a stronger connection to their community and environment.</div><div>- After some user testing, there were reports of an inadequate User Experience in the page displaying adverts of excess food available for collection. So, I then</div></div>	<div><div>- JavaScript</div><div>- MERN Stack (MongoDB, Express, React, Node JS)</div><div>- Jest</div><div>- Cypress</div><div>- Postman</div></div>

	implemented some different ways users could find food adverts via a search bar and filter bar. This provided users with the freedom to choose their preferred methods of finding food adverts. This resulted in an improved rate of user engagement and retainment due to a more seamless UX.	
Gamehub	<ul style="list-style-type: none"> - As the videogame industry continuously expands and diversifies, this app empowers users by providing them with a unique platform to connect with each other and share experiences, insights and passions. - The game search feature which is supported by the IGDB API was very slow when returning games based on the user query search, which provided a poor User Experience as slow waiting times often leads to lower user satisfaction and retention. I devised a way to reduce waiting times for search results by consolidating API requests and asynchronously loading images via a 3rd party library Glide, significantly enhancing the user experience. A more seamless experience boosted customer retention and increased user engagement, fostering a more compelling platform experience. - The quality of this product is of the utmost importance as it directly affects the User Experience. I utilised the APK deployed on AWS instances as the testing environment for this application, allowing me to perform manual testing. Then I utilised Jira and Confluence to create reliable documentation for all tests of the features done as well as constructive notes on the performance of the features, user experience and user experience. This served as an efficient method of providing feedback to developers, allowing them to improve the functionality of the features and the designs of the pages. Thereby, providing a more seamless UX and would improve the rate of user engagement and retainment. 	<ul style="list-style-type: none"> - Kotlin - MySQL - Postman - AWS (EC2 and RDS instance) - Android Studio - WinSCP & Putty - Jira & Confluence

EDUCATION

Makers Academy - Software Development Bootcamp

Feb 2023 – Jun 2023

- Presented and contributed to full-stack team projects with use of object-orientated design patterns, agile methodologies, test-driven development and pair programming
- Used JavaScript, Ruby and MERN stack with testing frameworks Cypress, Jest and RSpec, databases MySQL and Postgres and Git version control and tools including Jira, Trello and Figma

Blue Screen IT - IT Readiness Course

Jan 2023 – Apr 2023

- Led the cohort in learning fundamental understandings of IT, cybersecurity, computer software and hardware
- Created and delivered presentation of technical knowledge and skills related to the COMPTIA A+ qualification

UCL - 2:1 Drug Discovery and Development MSC

Sep 2020 – Sep 2021

- Applied problem solving and analytical lab skills including SDS-PAGE and chromatography for protein purification

University of Essex - 2:1 Biomedical Sciences BSC

Sep 2017 – Jul 2020

- Utilised bioinformatic tools, PCR analyses and critical thinking for comprehensive genome analysis

SKILLS

➤ JavaScript	➤ RSpec	➤ Python	➤ React Native	➤ Mongo Db
➤ Ruby	➤ Jest	➤ Bootstrap	➤ Expo	➤ Android App Development
➤ React JS	➤ Cypress	➤ Jira	➤ Kotlin	
➤ Mongo DB	➤ MySQL	➤ Confluence	➤ Git Extensions	
➤ Express JS	➤ PostgreSQL	➤ AWS	➤ VS Code	
➤ Node JS	➤ Git VCS	➤ WinSCP	➤ IntelliJ	
➤ HTML	➤ GitHub	➤ Putty	➤ Android Studio	
➤ CSS	➤ Postman	➤ Django	➤ Linux	

INTERESTS

- ❖ Video Editing
- ❖ Bodybuilding & Running
- ❖ Cinematography
- ❖ Video Game Design and Development
- ❖ Animation
- ❖ Electric Guitar & Music Production
- ❖ Attending Codebar – Coding Charity bringing programmers together for networking and coaching