Aleem Haq

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Skills

Programming Languages

Java
Python
C# .NET
Javascript (ES7+)

Libraries & Frameworks

Ruby on Rails
Django
PostgreSQL
JUnit & PyTest
NumPy

Development Tools

Unity (game engine)
Docker
Jenkins
iOS
AWS
Appium
Agile & Git workflow

Web

Html, CSS
REST API
React.js
Node.j

Project

Casino VR, Behavioral Economics
Virtual reality casino environment, built using C#, Unity (game engine) & SQL, to conduct experiments on risk aversion behavior

Education

BA in Computer Science, Honors   *Graduated* May 2022
McMaster University | Hamilton, Canada

Experience

Software Engineer   *6 mo,* Mar – Aug 2021
Equestrian Show Manager | Hamilton, Canada
· **Project Owner** & lead full-stack Engineer
· Moved **manual-in person payment to an online authenticated payment service,** using Ruby on Rails, Javascript and the Square API
· Rewrote our frontend components in React.js to improve user experience & received **positive reviews**

Software Engineer   *1.5 yr,* Apr 2018 – Aug 2019
theScore | Toronto, Canada
· Collaborated across multiple teams to **develop, test** & **launch** theScore's Android & iOS mobile gambling applications
· Responsible for testing **Geolocation** & **Bet API**, to verify betting features are inaccessible in States with an effective online gambling ban
· Automated testing for various network connection health & types

Software Engineer Co-Op   *1 yr,* May 2016 – Aug 2017
theScore | Toronto, Canada
· Developed a **UI test automation** framework with Appium for Android and iOS applications, **reducing a 2 week manual testing process to a 15 hour automated CI/CD pipeline**

Software Engineer in Test (SDET)   *6 mo,* Aug – Dec 2021
Urbint | NYC, USA
· Developed a tool & web-app to monitor & conduct performance tests for the Ubrint API & visualize metrics, integrated with Datadog, Jenkins & Docker
· Profiled API & SQL queries, and optimized them to **decrease average HTTP request response rate by -63% (800ms to 300ms)**
· Rewrote & modernized **documentation** for **test infrastructure reducing new hire ramp-up time** from **1 week+** to **1 day**