ANAND ISSAC

Engineering Student at UW | Tech Enthusiast and Aspiring Software Engineer
azissac@uwaterloo.ca | github.com/Anand-Issac | anand-issac.github.io/

SKILLS

Languages: Java, Python, JavaScript, Ruby, Erlang, R, SQL, HTML/CSS
Technologies: React, Node, Firebase, Ruby on Rails, Spring, React Native, Elixir, GraphQL, Git, AWS, JIRA

EXPERIENCE

Software Engineer | theScore – Promotions Team
May 2021 – Aug 2021

- Building a back-office web app for Marketing team to be able to create new promotions for theScore with 4 million daily active users using Elixir and Phoenix Live View
- Built pages for Marketing team to view all promotions and analyze details of every promotion; also enabled functionality for them to manage their order and priority

Software Developer | RBC – Insurance IT Team
Sept 2020 – Dec 2020

- Developed new virus scan API implementation using Spring which scans documents uploaded for malicious content on the online insurance platform visited by over 30,000 active users
- Developed file download API, added Notification tables and services to handle CRUD operations and developed a new notification banner on dashboard which is visited over 120,000 times per quarter

Software Developer | BlackBerry QNX – Audio Team
Jan 2020 – Apr 2020

- Developed 7 Python scripts for core audio features such as channel mapping, priority ducking and volume ramping – saves $4900 and ~90 hours of work per year
- Created functions that converted decimal into hex, deciphered hardware rate bit mapping, and determined closest valid multiple of sample rate

Software Engineer | Ontario Public Service
May 2019 – Aug 2019

- Built Python framework to automate file validation process of over 300,000 records in less than 8 seconds which saves 5 days and $4500 in the two-month build cycle
- Developed Java cheque-printing utility for internal use which leads the way to cut reliance on third party software that costs the organization around $30,000 per year

CO-CURRICULARS

Project Developer | UW Blueprint – The Pregnancy Centre
Sept 2020 – Present

- Developed request group page for admin of TPC to view and edit their donation requests; provided functionality to edit, delete, or fulfill requests
- Spearheaded design reviews to create essential features such as donor-client request matching, request management, and user authentication with React, Node, MongoDB, Firebase, GraphQL

Software Engineer | TobyX
Jul 2020 – Oct 2020

- Developed "Reviews page" for React Native app which allows users to see the adjustable review cards for an attraction and sort according to highest/lowest ratings; implemented Simple Notification Service to push notifications to users

EDUCATION

University of Waterloo | Bachelor of Applied Science, Management Engineering
2018 – 2023

- Courses: Algorithms and Data Structures, Databases and Software Design, Intro to Machine Learning
- Cumulative Average: 85.44/100 (GPA: 3.7/4.0)