KIRAN MANOJ KUMAR

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SKILLS

LANGUAGES: Java, JavaScript, Python, Ruby, Groovy, Dart, C++, C#, SQL, HTML5, CSS3
TOOLS/FRAMEWORKS: React, Redux, Django, Ruby on Rails, Flutter, Android, NodeJS, MongoDB, PostgreSQL, Nginx, Docker

EXPERIENCE

EXPONET CANADA
Software Developer

Mississauga, ON
Sep. 2020 to Dec. 2020

- Developed several major features for an e-commerce business management software using a React-Redux frontend, Java/Groovy backend and MongoDB
- Reduced customer issue resolution times by 30% through implementing an internal ticketing system
- Developed a central inventory management system which also provides real time updates for low stock items using predictive aggregation queries
- Created a purchase order feature improving the efficiency of the procurement process by 40%
- Integrated above features with a cross platform Android/iOS mobile application using Flutter
- Deployed a scalable Nginx server acting as a reverse proxy to serve the React-Redux frontend and interface with the Java/Groovy backend

ROYAL CANADIAN AIR FORCE
Backend Software Developer

Kitchener, ON
Jan. 2020 to Apr. 2020

- Rapidly developed a Ruby on Rails COVID-19 status tracking system with thousands of users for senior officers to accurately measure any impact to the Air Force capability
- Increased daily user response rate to 97% by developing a highly scalable mass email automation infrastructure leveraging Docker containerization
- Created a Django application which decodes and verifies signals from emergency search and rescue beacons

ROMBALD INC
Software/Reports Developer

Waterloo, ON
May 2019 to Aug. 2019

- Independently developed a full stack ASP.NET application connected to a SQL server to increase the efficiency of the internal quotation process by 80%
- Developed an administrator dashboard displaying various internal statistics using React as frontend; MongoDB, ExpressJS, and NodeJS for the backend
- Utilized the Google Maps API to display a heat map of client project locations in the dashboard

PROJECTS

REAL TIME MOBILE QUEUEING SYSTEM (JAVA)
- 1st place for best Internet of Things Hack using a Qualcomm Device at StarterHacks
- Technical lead of developing an Android application which allows customers to simply scan a QR code correlating to a restaurant and be placed in a virtual queue, using Firebase Realtime Database
- Customers are automatically notified when it is their turn to enter the restaurant

SCHEDUSEND (JAVA)
- Developed an Android application to allow users to send text messages at specified times and locations
- Utilized background services and threading to efficiently schedule messages
- Application notifies the user when the message to the specific contact has been delivered

EDUCATION

University of Waterloo
Candidate for Bachelor of Applied Science, Honours Mechatronics Engineering

Sep. 2018 to Apr. 2023