SAAD IQBAL

FULL STACK ENGINEER

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EMPLOYMENT

LOBLAW DIGITAL, **Site Reliability Engineer**, Toronto   May 2022 - March 2023
· Identified and shut down over-provisioned resources on GCP to save costs.
· Implemented and deployed a front end solution using NodeJS, ReactJS, Docker, and Kubernetes for managing expiring certificates on GCP.
· Designed and Implemented a service in GoLang, Prometheus, VictoriaMetrics, and Grafana for observing metrics.
· Deployed an exporter for redis metrics for multiple instances to Grafana to expand on obseravibility for redis based services.
· Maintained running services by dealing with expiring certificates and downtime.
· Actively enrolled in on-call rotations for multiple environment caveats ranging from production to lower.

LOBLAW COMPANIES LIMITED, **Technology Innovation Intern**, Brampton   May 2021 - May 2022
· Developed and deployed multiple proofs of concepts to live stores using JavaScript, Node JS, MongoDB, React, Vue, and cloud technologies.
· Hosted multiple Lunch and Learns that were open to colleagues company-wide about Computer Vision and Quantum Computing.
· Assisted senior specialists with graphics, bug fixes, automation scripts, adding features to existing projects, and more.

RYERSON UNIVERSITY, **Help Desk Technician (Contract)**, Toronto (Remote)   January 2021 - May 2021
· Assisted professors and students with any technical assistance they require for the scope TRSM covers.
· Used Zendesk to respond to tickets.
· Presented and created PowerPoints for most common problems for new employees to understand and solve.
· Attended weekly team meetings which discussed updates, Zendesk tickets to solve, and for scheduling needs.

IBM, **Front End Developer Intern**, Toronto   May 2019 - April 2020
· Developed using tools/languages/frameworks such as AngularJS, RxJs, NodeJS, ReactJS, Redux, Jenkins, Misos, DB2 and more.
· Developed a Slack bot in Node js that automated the deployment of Jenkins scripts. The slack bot has authentication support from the slack user.
· Implemented regression tests and unit tests.
· Implemented a filter list using ReactJS to dynamically find testing reports depending on the software development cycle stage.
· Completed courses offered by IBM such as Kubernetes, microservices, and Docker.
· Helped upgrade and refactor components from Angular 5 to Angular 8.

BUTTERFLY BEADS, **Web Developer/Designer**, Toronto   September 2016 - August 2017
· Created and edited web pages on the retail website using Shopify's templating language, Liquid.
· Improved Shopify's retail database queries for analyzing metrics and inventory using Python.
· Fixed and debugged layout issues on the website.
· Photographed and edited products using a studio booth and Photoshop CS6.
· Updated all current inventory and logged on the retail website.

EDUCATION

Ryerson University   September 2015 - May 2022
Bachelors of Science Computer Science 2022

Stephen Leacock Collegiate Institute
Ontario Secondary School Diploma (OSSD) 2015

PROJECTS

Osu! IRC Bot (Video Game Tournament Map Recommender)   May 2020 - Present
· Chord bot is an IRC bot built in Node JS that uses an IRC channel to reply to commands asked by players live.
· The IRC bot replies to custom filters that a user sets in the query and the bot responds with a tournament map that matches the criteria.
· The bot is hosted 24/7 on Render (GCP) servers and is pinged every 5 minutes for the best uptime.
· Makes use of throttling requests to handle the server load to avoid API limitations.
· Used by pro osu! players plus countless others daily for their practice needs.

Weather Express
· Displays the weather depending on the location/zip address/relative address.
· Purpose is to be built with robust async code.
· Made with Nodejs and ES6 JavaScript.

Fighters 2D Game Engine with Java - Features me as a character
· 2D "Street Fighter Styled" Fighting Game.
· Java with Run-Time Engine, SpriteSheet Algorithm + State Change.
· Features myself as a character due to taking a video of each move set, taking the frames and incooporating that on a sprite sheet.
· This was made when I was in grade 12 in highschool. It inspired me to major in Computer Science.
· Will be converting to applet to display on my personal website.
· Does not feature hitboxes due to time constraints but I am working on a multiplayer version of the game on the side.

Personal Website   July 2023 - Present
· Bootstrapped in React JS
· Hosted on Firebase by generating static content and auto deploying it using github actions.
· Makes use of Framer Motion to animate elements.
· Uses Web3Forms to handle email submissions.
· In progress

SKILLS

PROGRAMMING TOOLS AND LANGUAGES: JavaScript, HTML/CSS, ReactJS, NodeJs, ExpressJs, React Native, MongoDb, PostgreSQL, Git, AngularJS, Docker, Golang, Kubernetes
CERTIFICATIONS: IBM Cloud Kubernetes Services, The Complete React and Redux Course on Udemy