SAAD KURESHI

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EDUCATION

Lighthouse Labs   Nov. 2020 to Feb. 2021
Diploma, Full Stack Web Development

McGill University   Sept. 2013 to May 2019
Bachelor of Engineering, Mechanical Engineering

SUMMARY

I am a full stack developer with a background in mechanical engineering and corporate experience in the manufacturing, oil & gas, and aerospace industries. I enjoy solving problems by writing clean and maintainable code.

SKILLS

LANGUAGES: Javascript, HTML5, CSS3, Sass, Ruby, SQL, MATLAB, VBA
LIBRARIES/FRAMEWORKS: Node.js, Express, React, jQuery, Rails, Bootstrap, AJAX, EJS
DATABASES: PostgreSQL, MongoDB
TESTING & VERSION CONTROL: Git, Cypress, Jest, Storybook

PROJECTS

JUNGLE ONLINE STORE

An online ecommerce store built with Ruby on Rails, using the Model-View-Controller, RESTful design patterns, OOP design principles, and Active Record. SQLite was used as the RDBMS, and user authentication functionality was implemented.

INTERVIEW SCHEDULER

A React based web application that allows users to book/modify/delete appointments with an interviewer of their choice. Storybook was used to create components. Jest and Cypress were used for unit and integration testing. Deployed using Netlify.

SNEAKER STORE SITE

A sneaker store site that allows users to buy different sneakers and send messages to the seller. PostgreSQL was used as the RDBMS with Node.js for the backend. The client-side was created using Javascript, jQuery, ejs, and CSS.

TWEETER APP

A single-page Twitter clone that allows users to create and post new tweets. HTML, CSS, JS, jQuery and AJAX used for a responsive frontend design, with Node, Express and MongoDB used for the backend.

TINYAPP

A full stack web application built with Node and Express that allows users to shorten long URLs. This application creates and utilizes cookies using cookie-session, as well as password encryption using bcrypt. The frontend was designed using Bootstrap.

EMPLOYMENT

PRATT & WHITNEY CANADA
Global Trade Compliance Operations Analyst

Longueuil, Canada
May 2018 to Oct. 2020

- Transitioned to a full-time position after a successful summer co-op term.
- Automated key business processes using VBA in Microsoft Excel, reducing required analysis time from a weekly average of 5 hours to only 30 minutes, and wrote their corresponding standard work instructions.
- Created Excel based tools for data analytics purposes and provided training to a third-party resource on how to use them.
- Managed the oversight of the 3 P&WC Chinese sites (Shanghai, Chengdu, Zhuzhou) as the ITC team lead for China, by maintaining an open line of communication with the site leads and providing prompt support for compliance matters.
- Managed day-to-day time sensitive export control requests to ensure smooth business operations and minimize downtime by collaborating with different departments to gather required information, and using SAP to execute relevant actions.
- Brainstormed and created several different KPIs for the business to help monitor performance in certain areas, and used Microsoft Power BI to create dashboards in order to visualize and report relevant data in a helpful and easy manner.
- Took on the role of Achieving Competitive Excellence (ACE) team lead in order to promote 'best in class' practices and reduce redundant steps in various processes across our team.
- Worked closely with our team's student supervisor in order to train our new student interns, familiarize them with the company, provide them with meaningful work, and support their transition into their roles.

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EMPLOYMENT

CNOOC PETROLEUM NORTH AMERICA ULC
Process Safety Engineering (Co-op)

Calgary, Canada
Jan. 2017 to Dec. 2017

- Assisted process safety engineers in developing and updating process safety procedures to the latest format as part of a company-wide shift to a new management system.
- Took on the role of project manager for a project involving the automation of key performance indicators (KPIs) for CNOOC Oil Sands through Spotfire, a data visualization and analytics software.
- Performed on-site preparatory work for process hazard analysis (PHA) revalidation by liaising with process safety engineers and logging new findings into the PHA-Pro software system.
- Acted as the scribe for a 'What-if' hazard identification & risk assessment session to identify and document the risks associated with a data centre outage for field operations.
- Worked one-on-one with an external contractor on a project involving the update of a web-based training course 'Management of Change' for CNOOC employees and received a focused recognition award for my work.
- Assumed the role of meeting facilitator for bi-weekly PSM team meetings by preparing meeting agendas, recording meeting minutes and action items, and ensuring smooth meetings.
- Provided HSE support by conducting risk assessments for two major company events to ensure the events were carried out safely, and all possible risks were mitigated.

TWI FOODS INC.
Maintenance Engineering Intern

Toronto, Canada
May 2016 to Aug. 2016

- Supported the day-to-day and long-term maintenance activities of the Maintenance and Reliability team.
- Created over 80 preventive maintenance models for equipment on 8 production lines and scheduled their periodic trigger dates by extensively using DIMO Maint, a computerized maintenance management software.
- Worked closely with plant technicians in order to troubleshoot equipment failures, conduct root-cause analysis, and take corrective/breakdown action.
- Used DIMO Maint to create and execute maintenance work orders and liaised with the plant technicians to ensure minimal downtime.
- Reorganized and updated the inventory of equipment spare parts in the machine shop in order to provide readily accessible and accurate information.
- Successfully helped reduce the company's $500,000 annual maintenance costs by implementing DIMO Maint throughout the plant and creating an efficient maintenance system.