TANZEEL UR REHMAN

TR

(416) 220 6043
tanzeel-urrehman@live.com
733 Richmond St W,
Toronto, ON M6J 1C4

PROFESSIONAL SUMMARY

My first foray in software development was by chance, when I found myself having to automate certain tasks for a project I was leading as a telecommunications engineer, but my subsequent decision to transition full time to a career in software development is very much deliberate. An accomplished professional with a background in electrical engineering, I seek to leverage exceptional quantitative, technical, and leadership skills, to transition to a career in software development. Recognized consistently over my career for sharp attention to detail, leadership skills, and ability to adapt, culminating in rapid promotions to leadership positions.

SKILLS

- Core Technologies: JavaScript (ES6, ES6+); Python 3; Consuming APIs. Specialize in Web Application Development using MERN Stack.
- Front End Technologies: React; NextJS; Bootstrap; Styled Components; Emotion.
- Server Side Technologies: REST API development in Express, and Node.js.
- Database and ORM/ODM: NoSQL (MongoDB, Mongoose); SQL (PostgreSQL, PG).
- Utility Libraries: Redux, React-Redux, Axios.
- Testing: Cypress; Jest, testing-library/react.

PROJECTS

Where In The World (https://countries-tanzeel.vercel.app):
- A showcase application incorporating Next.js, React, Emotion (CSS), Flexbox and Grid layouts, responsive design, consuming a REST API, and Static Site Generation.
- Support for day and dark mode themes manually implemented via context API. Preference for day/dark mode stored persistently. Live search and filtering supported.
- Github: https://github.com/dw44/countries

Weather Application (https://weather-tanzeel.vercel.app/):
- Weather application that prompts the user for their location and displays the local weather in celsius or fahrenheit.
- Made without using any frontend frameworks or libraries. Pure HTML, CSS, and Javascript, bundled using Webpack.
- Weather data fetched asyncrhonously from OpenWeather's API using async/await.
- Github: https://github.com/dw44/weather_app

React Library (https://library-tanzeel.netlify.app/):
- Personal library tracking application that allows users to maintain a list of books, allowing users to add to, remove from, or edit the list.
- Technologies Used: React and Redux.
- Github: https://github.com/dw44/react_library_project

Express Library (https://bit.ly/3w5rMhW):
- Library inventory management CRUD application, made using Express JS and the Pug templating engine.
- MongoDB used for persistent data storage.
- Github: https://github.com/dw44/express-library

OTHER EXPERIENCE

Senior Engineer (Power Transformer), **Pak Elektron Limited (PEL)**, Oct 2018 - Aug 2020, Lahore Pakistan
- Supervised, trained, and assessed junior engineers at production line, while providing assistance with resolution of technical issues.
- Managed delivery schedules, shop floor inventory, ongoing production jobs, and material requests through Oracle JD Edwards ERP.
- Set monthly production targets in consultation with management, and met targets 17 out of 22 months.
- Maintained an effective line of communication between Supply Chain, and Marketing departments, and clients.

Production Engineer, **Pak Elektron Limited (PEL)**, Jul 2016 - Oct 2018, Lahore Pakistan
- Monitored and optimized production processes across three shop floors.
- Set daily production targets, and ensured all activities were carried out in compliance with relevant health and safety, and technical standards.
- Managed a team of 70 engineers, supervisors, and technicians, and assigned staff to shop floors as needed to ensure daily production targets were met.
- Tracked progress of ongoing production through Oracle ERP, anticipating delays to production, and reporting to management ahead of time. Met or exceeded monthly production 24 months out of 27.

Lead Engineer, **IKAN Engineering Services**, Nov 2015 - Jul 2016, Islamabad Pakistan
- Led preparation of successful proposal for projects to install 72 and 44 LTE ready cell sites across northwestern Pakistan, generating $66 million in revenue over the projects' lifecycle.
- Trained, evaluated, and led a team of 30 engineers in installing and maintaining network and power equipment at sites, integrating sites into core network, and reporting KPIs at various stages.
- Prepared "Site Activity Plans" and assigned staff to various sites as needed, and daily and weekly progress reports for client project manager on ongoing activity at sites.
- Liased with client project manager on a weekly basis, providing progress reports for ongoing projects and coordinating snag resolution at problematic sites.

Telecom Engineer, **IKAN Engineering Services**, May 2013 - May 2014, Islamabad Pakistan
- Participated in installation, commissioning, and testing of RF (Radio Frequency), microwave, and power equipment at 136 greenfield and network swap cell sites.
- Assisted senior engineers with preparing feasibility studies for greenfield cell sites, focusing on compliance with local environemntal regulations, and technical standards.
- Performed end-to-end media clearance over microwave, and testing of site alarms from both the site and Network Operation Center at ~120 sites.

EDUCATION

Full Stack Open Certificate, Web Application Development   Feb 2021
University of Helsinki - Remote
Project based program focusing on web application development using the MERN stack. Covers front end and server side development, NoSQL databases, and testing.
Projects: https://github.com/dw44/fullstackopen-2020

Bachelor of Engineering (Honours), Electrical Engineering   Jul 2011
Cardiff University - Cardiff, United Kingdom
Dr. WH Powell Prize for best performance in first year Electrical Engineering Laboratory module.