

## CONTACT

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## ONLINE

<https://www.tanzeel.ca>  
<https://www.github.com/dw44>

## SKILLS

- HTML5, CSS, JavaScript (ES6, ES6+); Python 3; REST APIs.
- Web Application Development using MERN Stack.
- React; Next.js; Bootstrap; Styled Components, SCSS.
- REST API development in Express and Node.js.
- Database and ORM/ODM: NoSQL (MongoDB, Mongoose); SQL (MySQL, mysql).
- Utility Libraries: Redux, React-Redux, Axios.
- Testing: Cypress; Jest, testing-library/react.

## PROFESSIONAL SUMMARY

An accomplished professional with a background in electrical engineering, I'm a self-taught software engineer looking to transition from the production line to lines of code on the screen. I bring exceptional quantitative, technical, and leadership skills, that translate seamlessly between the two, to the table. Recognized consistently over my career for sharp attention to detail, leadership skills, and ability to adapt, culminating in rapid promotions to leadership positions.

## 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, REST APIs, and Static Site Generation.
- Support for light and dark themes manually implemented via context API. Preference for light/dark mode stored persistently. Live search and filtering supported.
- Github: <https://github.com/dw44/countries>

### Weather Application (<https://weather-tanzeel.vercel.app/>):

- Weather application - uses geolocation API for location data, displays the local weather in celsius or fahrenheit. User can search for weather in other locations.
- Made using pure HTML, CSS, and Javascript, without any frameworks. Bundled using Webpack.
- Weather data fetched asynchronously from OpenWeather's API using async/await.
- Github: [https://github.com/dw44/weather\\_app](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. Data stored locally on client device.
- Technologies Used: React and Redux.
- Github: [https://github.com/dw44/react\\_library\\_project](https://github.com/dw44/react_library_project)

## OTHER EXPERIENCE

**SENIOR ENGINEER (POWER TRANSFORMER)** Oct 2018 - Aug 2020

## 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.

*Pak Elektron Limited (PEL), 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 Jul 2016 - Oct 2018

*Pak Elektron Limited (PEL), Lahore, Pakistan*

- Set daily production targets, and ensured they were met in compliance with relevant health and safety, and technical standards.
- Managed a team of 70 engineers, supervisors, and technicians; 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 Nov 2015 - Jul 2016

*IKAN Engineering Services, 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 May 2013 - May 2014

*IKAN Engineering Services, 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 environmental 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.