

DARNELL NOEL

Full Stack Web Developer | Mechanical Engineer | Lecturer | Software Developer

PROFESSIONAL SUMMARY

Qualified Mechanical Engineer specializing in critical problem solving with a strong work ethic and proven value system. Also specializing in full stack web development, software development and other technical competencies. Skilled at bringing comprehensive solutions to the table with creativity and innovative ideas. Proficient in communicating with people from various backgrounds with varying needs and priorities. A truly skilled professional who uses depth of research and knowledge to get the job done. Having a proven reputation for producing world-class quality work has solidified international experience coupled with a sound education and ongoing professional development. Currently open to discussions on new and exciting opportunities where my expertise can add value to a high-performance team.

AREAS OF KNOWLEDGE AND EXPERTISE

Mechanical Engineering
Critical Problem Solving
Project Management and Implementation
Training and Development
Policy Improvement and Implementation
Team-building and Collaboration
Quality Control and Assurance
Failure Investigation
Root Cause Failure Analysis
Technical Support and Customer Service
Non-Destructive Testing (NDT)
Research

Programming
Software / App Development
Front-End and Back-End Web Development
Database Design and Development
Database Management and Querying
Software UI/UX
2D & 3D Modelling (Engineering)
Work and Task Management
Metallography and Metallographic Analysis
Metallurgy and Metallurgical Analysis
Destructive Testing
Presenting and Public Speaking

PROGRAMMING LANGUAGES / TECHNOLOGIES

HTML5
JavaScript
MySQL
Firebase
Express.js
Netlify
Responsive Web Design

CSS3
React.js
MongoDB
Node.js
Handlebars
Heroku

DEVELOPMENT PROJECTS

My GitHub:
<https://github.com/DNoel26>

Please see the readme section in my GitHub repositories for links to projects deployed on Netlify or Heroku.



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Paxvale, Santa Cruz,
Trinidad, West Indies.

EDUCATION AND QUALIFICATIONS

Certificate – Full Stack Web Application
Development
The Weekend Hack
2020

Bachelor of Science Degree in
Mechanical Engineering
University of The West Indies
2013

COMPUTER SKILLS

VS Studio Code
MS Word
MS Excel
MS PowerPoint
AutoCAD
SolidWorks

POWER SKILLS

Self-Motivated
Solutions Driven
Highly Analytical
Honest and Ethical
Creative and Innovate
Effective Communicator
Reliable and Dependable
Technical High-Level Thinker
Detail Oriented
Problem Solver

CERTIFICATIONS AND TRAINING

**Certificate – NS Distance Learning
Programme**
API Q1
API Q2
Fearnley Procter Group
2019

Certified – Coating Inspector Level I
*National Association of Corrosion
Engineers (NACE)*
2016

**Post Graduate Advanced Training in
Manufacturing Engineering,
CVQ Level 4**
MIC-IT
2016

Certified – Quality Technician (CQT)
American Society for Quality (ASQ)
2015

REFERENCES

Kadeem Best
**Full Stack Web Developer/Programming
Lecturer – The Weekend Hack**
Tel: (647) 573-5784
Email: kadeem.best@theweekendhack.com

Gerald Watermeyer
**Engineering Manager – Fearnley Procter
UK**
Tel: +44 7597 861968
Email: gerald.watermeyer@enersyne.com

Denis J. Cox
**Senior Investment Analyst – Ministry of
Finance and the Economy**
Tel: (868) 683-5238
Email: dcox_c@yahoo.com

WORK EXPERIENCE

Technical Projects Engineer – Fearnley Procter International

April 2018 to Present

- **International Experience** - Liaises with and conducts engineering projects (designs, design reviews, failure investigations, technical support etc.) for clients globally (US, Europe, China, Malaysia, Middle East etc.). Approximately two (2) years working experience in Aberdeen, Scotland, UK. Work experience in Texas and Louisiana, USA.
- **Root Cause Failure Analysis (RCFA)** - Liaises with and conducts failure analyses and investigations of oil & gas equipment for clients globally.
- **QA/QC** - Inspection and QA/QC activities for release of drilling, completions, and production equipment offshore in Trinidad and UK.
- **Department Representation** - Member of the global Technical Support Group.
- **Technical Support** - Editor of and Tech Support for company developed global standards - NS-1™/NS-2™ Standards.
- **Training** - Develops and conducts internal training for technical staff in Trinidad.

Inspection Engineer II – IN-CORR-TECH Limited

September 2015 to March 2018

Internship – IN-CORR-TECH Limited

April to June 2015

- **Engineering** - Multiple plant turnaround/shutdown experience.
- **Inspections** - Trinmar onshore/offshore inspection experience.
- **Technical Skills** - Experience in Non-Destructive Testing (NDT) such as VT, PT/FPT, MPI/FMPI, UT, LT, PMI, Pressure Testing and Load Testing for various equipment (Air receivers, Vacuum Tanks, Lifting & Rigging Equipment, Trucks, Piping, Vessels etc.).
- **Root Cause Failure Analysis (RCFA)** - Conducted failure investigations and analyses on a wide variety of equipment, which included liaising with clients, site visits, and several lab procedures and Destructive Testing such as sample preparation, micro-structural analyses, macro & micro-hardness testing, material verification techniques, scanning electron microscopy etc.
- Very experienced in the understanding, use and reference of various technical documents, standards & engineering drawings (including P&IDs, PFDs, piping isometric drawings etc.).
- **Engineering Software** - Experience in Engineering Design, 3-D modelling, virtual load testing and stress analyses of various skids, silos, tanks etc. using SolidWorks.

Lecturer (Part Time) – Automation Technology College

January 2015 to Present

- Prepares and conducts all assigned classes and practical lab sessions in accordance with the syllabus provided by City & Guilds for Level 2 Diploma in Mechanical Engineering IVQ – Principles of Maintenance Technology and Maintenance of Mechanical Devices & Equipment.

Post Graduate Mechanical Engineering Trainee – Metal Industries Company (MIC-IT)

January 2014 to September 2015

- Designed and virtually load tested a material lift for the plastics manufacturing department, using SolidWorks in accordance with ASME 17.1 – Safety Code for Elevators and Escalators.
- Conducted maintenance audits and completed maintenance improvement projects.
- Developed various hands-on and hands-off technical workshop skills for manufacturing engineering.