Syed Younus Ali

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Portfolio**:** Portfolio (syedmyali.github.io) GitHub: **https://github.com/syedmyali** LinkedIn: **syedmyali**
NOTE: British Citizen (**No work visa or sponsorship required**)

Personal Profile

I am an Engineering Professional with several years' experience in the energy and aerospace industry, where I have worked for different companies in engineering, analysis and design role. All of my skills set are in core technical areas and liaise with suppliers, clients and vendors which will be helpful transferable skills in the software development industry.

I'm a fast learner with engineering, design and development mind-set which will be my strengths to excel the potentials in the software development environment.

I'm passionate to be a dedicated software developer through-out my rest of the career.

Technology Skills

Software Development (Front End): HTML, CSS, JavaScript, Typescript, Bootstrap, React, Angular
Software Development (Back End): Java, Python, SQL (MySQL, Oracle), NOSQL (Mongo DB)
Technology/Frameworks: Maven, Spring Boot, Rest API, Micro services, MVC, JDBC, JUnit, Postman
Cloud/ Version Control: AWS (S3, EC2, Elastic Beanstalk, ECS), Azure, Docker, Git, Git Hub, Citrix

Education and IT Training

03/2022-06/2022	**Infosys Ltd, London** **Enterprise Level Training on Core Java and SQL Database** Achieved certification after four months professional training
01/2022-03/2022	**Just IT Training Ltd, London** **Digital Skills Bootcamp: Software Development** A twelve week intensive bootcamp covering the fundamentals of full stack Software development
10/2021-01/2022	**City Lit, London** **Boot Camp: Java Programming** A twelve week intensive course covering the fundamentals of Java programming language
06/2021-09/2021	**City Lit, London** **Boot camp: Python Programming** A four month course covering the python programming language and final project
09/2008-10/2009	**University of Portsmouth, Portsmouth, UK** **MSc in Mechanical and Manufacturing Engineering**
Core Modules:	Reverse Engineering, Stress Analysis, Computational Fluid Dynamics, Energy Management, Composite Materials, Project Management
Final Year Project:	'Fatigue strength analysis of high chromium alloyed steel specimen' supervised by **SIEMENS (VAI)** and University of Portsmouth.
08/1997-05/2004	**Bangladesh University of Engineering and Technology, Bangladesh** **BSc in Mechanical Engineering**
Core Modules:	Computer Programming Language, Numerical Analysis, Fluid Mechanics, Production Processes, Machine Design, Control Engineering, Industrial Management, Renewable Energy
04/1995-04/1997	**Dhaka College, Dhaka, Bangladesh**
HSC Equivalent A Level:	Mathematics (A+), Physics (A+), Chemistry (A+), and English (A)

Projects:

File Management Utility App: The application stores excel files and have view, edit and delete functionalities for each file. It has service access authorization and user authentication capabilities. Programming language and frameworks used: Java, Spring-boot, Angular, MySQL.

University Alumni Tracking Application: The project is a database oriented GUI application which stores the alumni information inputted by individual alumni

Medicine Expiry Checker App: Every year, only in UK alone, tens of millions pounds worth of products are wasted just because of proper expiry checking systems are not in place. This App would be beneficial as it displays the medication expiry time line along with the stock status.

Recently Developed Apps: Weather App (JavaScript), Signup-Login Full Stack App with authentication and authorization (Java, Spring Boot, React), Task Management Micro Services (Java, Spring Boot), Employee Management Full Stack App (Java, Spring Boot, Angular).

Employment History

| 03/2022-Present | **INFOSYS Limited, Canary Wharf London**
Senior Associate: Software Development |

- Currently consulting in B-C and C-B messaging application, Marketflow for the client, Scottish and Southern Electricity Network (SSE PLC).
- Developed full stack applications like **File Management Utility App** for Infosys Accelerate Programme and enterprise clients.

| 01/2021-05/2021
03/2019-08/2019 | **Caley Ocean systems Ltd, Glasgow**
Senior Mechanical Design Engineer (Contract) |

- Carried out Stress/strain/vibration/fatigue and over all structural integrity analysis of mechanical/hydraulic systems in aid of ANSYS, Solid Works, Mathcad and hand calculations.
- Produced 3D prototypes and 2D drawings to relevant standards and best practices.

| 09/2019-12/2020 | **Lagoni Engineering, London**
Senior Design Engineer (Contract) |

- Structural analysis of piping, mechanical and hydraulic systems against industry standards, codes and best practices; validated through hand calculations and market leading analysis tools/software.
- Produced, checked and approved engineering documentation (piping material specifications, Pipe supports, data sheet, and manual, SOP, FAT, and Design Review).

| 10/2017-02/2019 | **National Oilwell Varco, Glasgow**
Senior Design Engineer (Contract) |

- Generated compliance matrix, data sheet, product specification, Basis of Design (BoD) standard operating procedure (SOP), test plan/procedure.
- Involved in Finite Element Analysis (FEA) and hand calculation to validate the final physical product using industry standard simulation packages.

| 06/2012-09/2017 | **Aquaterra Energy Limited, Norwich**
Mechanical Design Engineer |

- Designed prototypes of Topsides, Well Head Support Structure (WSS), Centralisers, Running Tools, Drilling Templates, Tension Ring, Riser Monitoring System (RMS), Lifting System, Test Jigs etc.
- Prepared Factory Acceptance Test report, In house testing, Installation procedure, and Front End Engineering Design report, manufacturing drawings, Bill of Materials, Schematics and Layout.

| 11/2009-05/2012 | **GBM Minerals Engineering Limited, London**
Mechanical Design Engineer |

- Participated in client design review for project deliverables and prepared specifications
- Designed mechanical and piping components in AutoCAD Plant 3D.

| 04/2005-05/2007 | **Bashundhara Paper Mills Ltd, Bangladesh**
Assistant Mechanical Engineer |