

CONTACT

If hiring or know of a job matching this client-candidate, please call 647-773-8899, [email](#) or [Book an Appointment](#)

There are no fees or charges of any kind to hire through any [Nigel Corneal BDM Service Network Inc.](#) service.

UMAN

Senior Design Engineer

Design Engineer in Mechanical and Aerospace Engineering

PROFILE

A professional with 9 years of experience including 8 years of Design Engineering. Also experienced in Methods Engineering.

Comprehensive understanding of design processes, manufacturing, and construction methods.

Experienced in all the design stages of a product including research, development, and manufacturing from installation to final commissioning.

A team player, skilled in working under pressure and meeting deadlines and producing detailed technical specifications from client's perspective.

WORK EXPERIENCE

Senior Design Engineer, Dec 2017-Present

Project: ██████████

Customer: ██████████

Industry: Aerospace

- Design of primary structure related to CDS, PAX floor & PEPA
- Perform single part design and its release
- Create holes and fasteners in DMU and IP Updates
- Installation drawings for -900 (460,6021) and -1000 (342,600)
- Carry out TRS, DQN and other input implementation
- DMU integration of 3D parts in VPM and PASS
- Conduct HTZ matrix comparison with DMU check for -900 and -1000
- Perform QC, trouble shooting, statistical quality documentation and quality reviews by checking the 3D model in DMU

Senior Engineer, Nov 2014-Dec 2017

Project: ██████████

Customer: ██████████

Industry: Aerospace

- Created, modified, optimized, and detailed designing of secondary brackets, including both A & B brackets design
- Harness routing updates as per EWIS guidelines, NIEO and RFC; Implemented updates from the DRP meeting
- Followed up the release process in ERP/SAP
- Performed QC, trouble shooting, statistical quality documentation and quality reviews by checking the 3D model in DMU

AREAS OF EXPERTISE

- ✓ Concept, Sizing & detailing
- ✓ ESI, MSI & Structural analysis
- ✓ Aero engines & Propulsion
- ✓ CATIA V5, Creo & Inventor
- ✓ RSDP, TDD & SIDP
- ✓ GD&T, ISO Tolerancing

SKILLS

- ✓ ATA Chapters 24, 25, 53, 85, 87, 89, 92
- ✓ AIRBUS VPM, PDM, PRIMES, PASS SSCI
- ✓ Bombardier Tools (PLM, VPM & PDM)
- ✓ CATIA V5 /Macros
- ✓ Autodesk Inventor
- ✓ Solid works & Creo
- ✓ CAE & VB (Macros)
- ✓ MS Offices tools
- ✓ Attention to Detail
- ✓ Customer Focused
- ✓ Team Player

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QUALIFICATIONS

B.E., Mechanical Engineering, 2009

Structure Analysis and Design Optimization
(Jan-2011)

Advanced FEM (May-2014)

Core java (2009)

Visual Basics (2009)

CATIA V5 and HYPERMESH
(2010)

Airbus VPM and PASS certification (2018)

Tolerancing & Stack up analysis for
structures (2019)

TRAINING

ASME GD&T

Inspection & NDT Methods

Aircraft Installation Methods

Gas Turbine Engine Principles & Maintenance

Composite Materials

Design Packages

AIRBUS ISO Tolerancing

UMAN

Sr. Design Engineer

Design Engineer in Mechanical and Aerospace Engineering

WORK EXPERIENCE Continued

Design Engineer, Jan 2012- Sep 2014

Representative Company: [REDACTED]

Project: [REDACTED]

Customer: [REDACTED]

Industry: Aerospace

- Created, modified, optimized, and detailed designing of secondary supporting brackets for hydraulic & electrical systems that includes both A & B brackets
- Designed and installed hydraulic tubes with the help of clamps, brackets, and traverses; tubes were split into zone within the aircraft for the ease of installation

Design & Stress Engineer, Nov 2011- Jan 2012

Representative Company: [REDACTED]

Project: [REDACTED]

Customer: [REDACTED]

Industry: Heavy Engineering

- Carried out designing and analysis of heavy engineering equipment's like canopy, big gear boxes, shafts, pulleys, and other mobile devices.

Apprentice Trainee, Jul 2010-Jul 2011

Representative Company: [REDACTED]

Project: [REDACTED]

Customer: [REDACTED]

Industry: Aerospace

- Undertook different kinds of on job trainings/projects on methods.

Engineer Trainee, Jul 2009-Jan 2010

Representative Company: [REDACTED]

Project: [REDACTED]

Customer: [REDACTED]

Industry: Heavy Engineering

- Assisted in designing and analysis of heavy engineering components like track frames, channels, gear boxes, cases, and chassis. creation of assembly and part drawings for the same.