**CHIKKALINGAIAH AH | Technical lead (Techno-Management) – Aero-Engine**

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Bengaluru, India

**PROFILE SUMMARY**

* Senior Mechanical Engineer with over 14 years of experience in managing, optimizing, and overseeing Aero-engine maintenance procedures and overhaul.
* Experienced in implementing Six Sigma techniques to ensure effective process implementation and optimization.
* Apt at evaluating, applying, and incorporating of component modifications.
* Proficient in technical documentation authoring with concise language and creating corresponding technical drawings.
* Thorough knowledge of different aircraft engines and systems, operations, repair, and manufacturing methods, as well as technical documentation like engine manuals, repair manuals, and Technical Variance Reports.
* Provide guidance for component manufacturing such as broaching, milling, grinding, EDM, or drilling required for the manufacturing of compressor and turbine rotor blades, gears, disks, and other components.
* Knowledge of materials, coating, heat treatment, and different metal joining processes required for gas turbine components.
* Good knowledge of NDT processes, like Fluorescent Penetrant Inspection, Magnetic Particle Inspection, Radiography, Tap Testing, and Ultrasonic Inspection.
* Proficient developing and optimizing defined repair processes and substantiate the same with compliance verification.

**CAREER NOTEWORTHY ACHIEVEMENTS**

* Worked in Germany with work visa for several months onsite at customer’s location.
* Secondment to Rolls-Royce (United Kingdom) for six months of special engineering training.
* Recipient of Performance Recognition Award twice for effort reduction and delivery of tasks with zero defects.
* Strong contender for the Roadshow – Continuous Improvement Project on Iteration Reduction (Six Sigma) 2017.

**WORK EXPERIENCE**

## QUEST GLOBAL, INDIA Since Dec 2018

**Technical Lead (Techno-Management)**

* Reviewing Rolls-Royce Technical Variance Reports and technical documentation to find service and repair solutions for Rolls-Royce Aero-engine components.
* Conducting quality aspect analysis, measurements, and safety control with adherence to safety measures and techniques.
* Engaged in aftermarket services like overhaul support, cost reduction, cost avoidance, root cause investigations.
* Resolving customer issues and working on scope creep activities for Rolls-Royce Engines.
* Coordinated the implementation of repair processes at both internal and external repair suppliers.
* Supporting the identification of new opportunities to reduce the cost of components.
* Preparation and presenting quality updates and reports to stakeholders.
* Updating and optimizing the technical knowledge database as well as standardized work procedures.
* Assessment of Life Management & Component Reliability studies, event analysis and maintenance burden on engine parts.
* Creating project creation and execution cost analysis in accordance with defined technical requirements.
* Conducting functional auditing across AMS projects.
* Review and update competency development plan for the Engineers and develop corresponding training plans.

**QUEST GLOBAL, INDIA Dec 2016 - Dec 2018**

**Project Lead**

* Defining the project requirements and coordinate with involved stakeholders to initiate the project.
* Provide project estimation, progress reviews and status updates of the project to the stakeholders.
* Allocation of the task to Engineers based on individual competency, skillset, and workload.
* Provide support to Technical Lead and Chief Engineers for Team Competency Development Plans.
* Conducting the functional audit, progress reviews, and cost reduction analysis for assigned projects.
* Project Management for aftermarket services like overhaul support, cost optimization, and root cause investigations.
* Prepare and present the quality, cost and delivery reports in weekly and monthly stakeholder meetings.

**QUEST GLOBAL, INDIA May 2009 - Dec 2016**

**Lead Engineer (Techno-Management)**

* Authoring Technical Variance Reports as well as general technical documentation.
* Engaged in aftermarket services like overhaul support, cost reduction, cost avoidance, root cause investigations.
* Develop substantiated and well-defined repair processes.
* Defined acceptance standards for service run components.
* Coordinated the implementation of repair processes at both internal and external repair suppliers.
* Updating engine manuals, cleaning inspection, and repair manuals raised by different overhaul bases.
* Working on FAR part repairs and approval for airframe (Bombardier) in compliance with EASA 145, FAA, and FAR regulations.
* Conducting training for engineers and align skillsets to project requirements.

## INFOTECH ENTERPRISES LIMITED, INDIA Apr 2007 - May 2009

**Design Engineer**

* Development and optimization of CIR manuals (Cleaning, Inspection & Repair) and CMMs (Component Maintenance Manual) for Pratt & Whitney Engine components.
* Optimize the monitoring and controlling of process quality utilizing SAP ACE.

HINDUSTAN AERONAUTICS LIMITED, ENGINE DIVISION, INDIA Feb 2005 - Apr 2007

**Overhaul Production Planner (Adour Overhaul Production Engineering)**

* Ensured completion of all modifications given by collaborators during the repair and overhaul.
* Managed spares and consumables required for the components during overhaul and repair procedures.
* Coordination with local companies to negotiate concessions and salvage schemes for reworkable components.
* Prepared daily production status reports and attended the daily production review meeting.
* Preparations for overhaul processes of Adour Engine components as per overhaul documentation.
* Monitoring the condition of equipment and creating maintenance schedules to optimize the working life of machines.

## ADARSH SOLUTIONS PRIVATE LIMITED, INDIA Jul 2003 - Feb 2005

**Component Engineer**

* Classified products into different categories.
* Assigned properties and property values for the classified used in a database for maintenance and repair operations.
* Identified HAZMAT materials in components and declare them in line with the US reach directives.
* Trained and guided a team to create comprehensive technical documentations.

FORCE10 SOLUTIONS PRIVATE LIMITED, INDIA Nov 2000 - Feb 2005

# Assistant Component Engineer

* Classification of components in specified product categories.
* Assigned properties and property values for the classifications used in a database for maintenance and repair operations.
* Creating overall technical documentation for components.

**EDUCATION**

* Bachelor of Engineering - Mechanical Engineering, University Visveswaraya, 2006 - Recognized in Germany
* Diploma in Mechanical Engineering, Govt. Polytechnic College, 1998

**CERTIFICATES AND TRANING**

* Repair Engineering on critical analysis investigations, quick and innovative solutions to address problems, Rolls-Royce (UK)
* Six Sigma Green Belt, QuEST Business Excellence Team
* Six Sigma Black Belt certificate, MSME
* ISMS 27000 certified Internal Auditor
* Certificate of participation for AS9100 Internal Auditor

**COMPUTER PROFICIENCY**

MS Office, Windows OS, AutoCAD, Tech Illustrator, Corel Draw, Epic Editor (SGML & XML). PS2000 (RR), Contenta@ (ETPS – PW&C), S1000D, SAP