

JAMES KETNER
Colleyville, Texas
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817-900-2035

- 35+ Years – Design, Engineer, and Manufacture Conventional and Composite Structures and Components.
- Clean Drug Test/Background Check, Natural Born U.S. Citizen, Recent/Current BEMSID (Clearance)
- Direct Employee, Contractor, Operations Manager, General Manager, Founder, President/CEO
- Most recent Onsite Job References Immediately Available.

Summary of Work Experience

Textron/Bell Helicopter – Primary Structural Engineer-MRB/MST/NC Programmer
Gulfstream – MRB Liaison Engineer/Airframe Designer
Boeing – Primary Structural Engineer, NC Programmer
Lockheed – Primary Structural Engineer/Composite Design Engineer
General Dynamics – N/C programmer, Lofting Group
The Carlyle Group – Systems Engineer, NC Programmer
Daimler Chrysler – Engineer, Process Engineer, Class A Surface Designer
Fiat – Software Development, Software Engineer
Honda Research and Development – MRB/Engineer, Tool Engineer (Body in White)
United Technologies – Structural Engineer, Power Plant Engineer
Wichita State University – Guest Professor/Instructor School of Aeronautical Engineering
Embraer - Systems Engineer, NC Programmer
Dassault/Falcon Jet – Structural Engineer, Completions Center
Akkodis – Site Lead (30 Employees)
KTNR, Inc. – Founder/CEO/Operations Consulting/Engineering/Software Development
Galenfeha, Inc. – Founder/CEO/Stored Energy Oil and Gas/Public Company
Kelyniam Global, Inc. – Founder/CEO/Medical Device Manufacturing/Public Company

Education and Professional Development

CATIA 35,000+Hours – 4,800+Hours in CATIA 3DX. Prolific 3D Modeler using CATIA v4/v5/3DX. SolidWorks, ENOVIA PLM, PDM, GD&T, Geometric Dimensioning and Tolerance, HVC, Hardware Variability Control, TQM, Total Quality Management, DBT, Design Build Team Organization, ASME Y14.5-2018, ISO9001, ISO13485, 21CRF820, ANSI, UNIX RISC 6000, C++, Fortran, COBOL, Systems Analyst, Systems Engineering, Windows 11, NC Programmer, Post Processor Engineer, Composite Part Design (CPD), Fibersim, Private Pilot/Aerobatics. Bachelors of Arts Mathematics/Computer Science.

Advanced Studies in mathematics, bounded field and vibratory harmonics, sympathetic, destructive, and cancelling. Studies and applications in Advanced Computing Environments, Techniques and Methods. Software Engineer and Software development for high-end rendering hardware and CAD/CAM software companies such as IBM, Silicon Graphics, and Dassault systems. Extensive knowledge with Securities Law, contracts for mergers and acquisitions. Experience with FDA, SEC, NASD, and FINRA. Multiple Private Equity Transactions.

Most Recent Onsite Contract Experience

Bell Helicopter/Fort Worth, Texas

02/26 to Current

Fuel Systems Integration Engineer - Design, Engineer, and Model V22 Auxiliary and Sponson Fuel Tanks and Fuel Systems for Legacy Aircraft. Implement Preventative Design Changes for Producibility, Reliability (Leaks) and Cost Savings. Support Textron Suppliers for Producibility, Best Engineering Practices, and Product Life Cycle Management.

Bell Helicopter/Fort Worth, Texas

02/24 to 07/25

Airframe Design Engineer - Primary Structural Engineer, Composite and Metallic. Design, Engineer, and Model Primary Structural Composite and Metallic Components for Virgin Galactic's Delta Class Low Orbit Space Vehicle using CATIA 3DX. Composite Part Design, Model Based Definition (MBD CPD) Drawings and MBD Formats. Primary designs of Strake and Vertical Rudder Control Surfaces. High Tolerance Metallic Mechanical Locking Mechanisms for wing folding systems. PDM/PLM using Enovia. Relationship with Stress and Manufacturing for Functionality and Producibility. Over 70 Detail, Assy and Installation Drawing Releases and Revs. Last Design/MRB Contractor to leave the program. **MRB Liaison Engineer** - Travel to Suppliers and solve Manufacturing issues, mainly producibility GD&T Methods and Schemes for the production of machined parts. Update 3DX models, either layouts or drawings to immediately implement changes.

Bell Helicopter/Fort Worth, Texas

01/23 to 12/23

MST/Numeric Control Programming - (Manufacturing Support Team for Numeric Control Programming) Support Manufacturing NC Programming. Develop new custom Post Processor for New Fanuc Controllers and Renishaw Probing. Batch Convert Legacy Programs for new Machines and Controllers. Support Lofting. Conversion of Legacy Models and Programs from CATIA v4 to CATIA v5/v6. Update Complex C++ Probing Routines for Henry Line Machines.

Gulfstream/Savana, Georgia**06/22 to 12/22**

Airframe Designer/MRB Engineer for Primary Structures – Daily address problems and provide solutions for repair and production manufacturing and engineering issues. Implement cost saving and production improvements. Directly responsible for over \$1.5mm in cost savings over the course of 5 months at GS. Over 30 hours assembly reduction per shipset on the Composite Fixed Trailing Edge by eliminating over constraints and redesign trailing edge Control Surfaces, Implementing Hardware Variability Control, and Key Characteristic locating Techniques. CATIA v5, SmarTeams PLM, Enovia PLM/PDM.

Akkodis/Los Colinas, Texas**01/22 to 06/22**

Site Lead – Site lead for Saffron Contract/Project for Airforce One Interior Modifications. Over see the operation of 30 Individuals, Including Stress Engineers, Electrical Engineers, and Structural Engineers to modify and complement new and existing monuments for Airforce One Boeing 747. Inventor and SolidWorks.

Wichita State University/Wichita Kansas**08/21 to 12/21**

Instructor/School of Engineering/NIAR – Assist and Instruct Students with the use and understanding of CATIA 3DX. Reverse Engineer for Digital Twin by Converting legacy drawings to CATIA CAD/CAM Datasets. Instruct Student on CATIA 3DX PLM using Enovia.

Aerobond/Springfield, Massachusetts**01/20 to 08/21**

General Manager – Over see the operations of a major OEM composite manufacturing supplier's facility and operations. Production of detail composite parts and complex assemblies.

Executive Experience**KTNR, Inc./Fort Worth, Texas****05/15 to Current**

President/CEO – Create and Direct an Engineering & Operations Consulting firm for clients with 5 employees to 600 employees. Served as a Director and Chief Executive Officer of public and non-public corporations. Distressed company fixer by assuming management roles. Public and Private Startup company consultant. Expert witness for manufacturing and software cases. Contract consulting engineer for Fortune 500 multi-National Companies. Regulatory consulting for medical manufacturing and public companies. Previous onsite clients included General Dynamics, Bell Helicopter, Gulfstream, Pratt and Whitney, Boeing, Lockheed, Daimler Chrysler, Fiat, Honda Research and Development, Rockwell, Sikorsky Aircraft, Embraer SP, and Dassault/Falcon, Carlyle Group, Aerobond Composites, Wichita State University, Bell Helicopter.

Galenfeha/Fort Worth, Texas**03/13 to 03/15**

President/CEO – Create and Direct a fully reporting publicly traded Engineering Services, Product Development, and Manufacturing Company specializing in stored energy products. Engineer, Design, and Develop LiFePo Battery Technology for Oil and Gas Measurement Systems. Create custom BMS with Texas Instruments for LiFePo Battery Chemistry. Compliance and Reporting to regulatory agencies such as the Securities and Exchange Commission (SEC) and Financial Industry Regulatory Authority (FINRA). Manage and operate all aspects of the business including Engineering Teams, New Business Developments, Negotiations for Mergers and Acquisitions, fund raising for the acquisitions utilizing past relationships with Private Equity and Wall Street. 2nd Largest U.S. Importer of LiFePo stored Energy/Battery Chemistry. Private Equity Buyout.

Kelvyniam Global, Inc./Canton, CT**02/09 to 11/12**

President/CEO - Create and direct a fully reporting publicly traded Medical Device Manufacturing and Engineering Company. Acquired and Merged Engineering and Rapid Prototyping Company. FDA Approval for Craniofacial and Maxiofacial Implants. Report to regulatory agencies such as the Securities and Exchange Commission (SEC), National Association of Securities Dealers (NASD), Financial Industry Regulatory Authority (FINRA), Food and Drug Administration (FDA). Advancement of traditional CAD/CAM technology into the Medical Industry. ISO13485, 21CFR820 Facility Creation and Certification. Private Equity Buyout.

Onsite Contract Engineering**Dassault/Little Rock, Arkansas****04/06 to 12/08**

Airframe Designer/Interior Design-Primary responsibilities included but not limited to Design and Engineering of 'one off' Falcon Jet Corporate Aircraft. Composite and Sheet metal structures. Programs included 700X, 2000, and 900 aircraft. Removable Main Entry Door Crew closet design, Forward Lav, MED, Galley, Aux Galley, Sideledge Install, Seating arrangement, Aft Lav, Aft Cargo. Create tooling for composite manufacturing. Cradle to grave project Design. Develop layouts and flat patterns for intricate exterior paint schemes. CATIA v4, CATIA v5. PDM (Enovia)

Embraer/Sao Jose dos Campos, Brasil

08/02 to 11/05

Airframe Designer/Program Support-Liaison for joint venture between UTC and Embraer with initial responsibilities in primary structural design. Aft Cargo Surround structures. Main Cabin insulation installations. Primary Sheet Metal Design. The job extended itself to many other facets of the use of CAD/CAM in a Design, Engineering, and Manufacturing environment that was in the development stages. Responsibilities as follows but not limited to: ERJ170-Design and model aircraft components, interior design, Configuration Management, Systems Admin, Database design, VPM, ENOVIA. CATIA focal for the Engineering platform, Advanced Surfacing. CATIA v4.

Sikorsky/Stratford CT/Embraer Sao Jose dos Campos

04/98 to 08/02

Airframe Designer/MRB Liaison Program Support-Design and model integrated cargo floor for CH-60 aircraft. All modeling and drafting done with CATIA v4.1.9 to support UTC 2080 modeling practices. Composite buildups using Fibersim. All work to support High speed machining. Support supplier needs and questions regarding Sikorsky machining and modeling practices. MRB Liaison Engineer - Maintain all data integration between suppliers and Sikorsky. Special assignment to Embraer for emergency design work of leading-edge anti ice heating.

Aerostructures/Carlyle Group/Nashville TN

08/97 to 04/98

Systems Administrator/NC Programmer-System Analyst/Systems Administrator for Numeric Control Programming. Responsible for maintaining and implementing CATIA V4.1.9 and various new products. Program V-22 Empennage attach fittings. Aid Engineering with solid modeling practices. Implementation of CATIA TSA, Data Base, and New Post Processor from Intercim. Install Post Processor on workstation environment. Link Cutter Data Base with Post Processor and CATIA TSA. Move DNC from Mainframe to Workstation Environment and have full access to DNC and NC Archive via CATIA TSA. Pre-Production Testing of CATIA PPB. Fibersim, CATIA v4.1.9, AIX 4.1.5, R/S 6000 UNIX, PDM.

Dassault Systems/Fiat/Torino Italy

06/96 to 08/97

Software Engineer - Development and Technical advisor to Engineering on newly implemented CATIA environment. Explore possibilities of IBM and Dassault Systems new advanced Parametric modeling software, Develop Parametric surface modeler (Skin), Instruction of Preferred modeling practices. CATIA v4.1.7 and v4.1.8. Forecast problems with current and new engineering practices and advise of preferred methods. Analysis of time/cost in real engineering and production environments with current and new CAD/CAM methods.

Daimler Chrysler/Detroit MI

09/95 to 06/96

Injection Mold Design Engineering/Class A Surface Designer-Design and model surfaces to meet requirements of Chrysler Styling and Design departments. Support manufacturing requirements for injection molded tooling. Create SLA models and databases for prototype models. Participate in design build teams. Concept to finished product management and development of 99 WJ program. CATIA v4.1.4.

Rockwell International North American Aviation/McAlester OK

04/95 to 09/95

Numeric Control Programmer/NC Engineer-Program various CNC machines for Production environments. Design all fixtures and support tools. Schedule machine and manpower load for Boeing offload requirements. Systems Engineer-Implement and support advancement from a PC based to a full graphics programming environment. Responsible for implementing CATIA to support Boeing requirements. Establish CATIA programming standards, Post-Processor, Configuration manager, and IGES translation processes. APT, CATIA v4.1.3.

Honda Research and Development/Marysville OH

09/94 to 03/95

Design Engineer-Engineer and model class 'A' surfaces to meet requirements of Styling, Engineering and Manufacturing for Honda JC and CL door handle programs. Satisfy injection molded tooling requirements for production runs of over 900,000 units. Interface with Styling and manufacturing. Strong surfacing knowledge and capabilities. 6-month assignment to guest engineering program at Honda R&D, Marysville Ohio. CATIA v4.

Boeing Commercial Aircraft/Wichita, KS

04/94 to 09/94

Primary Structural Engineer-Design, Engineer, and model various machined and composite components for 737-X aft cargo door and surrounding structure. Focal for BETA testing CATIA v4. Participate in engineering commonality groups. Close relation with Boeing Computer Services. Study and implementation of Parametric modeling requirements and standards for major part number reduction program. Support all models with engineering drawings. Extensive GD&T/HVC proficiency. CATIA v4.

Lockheed/Ft. Worth TX

09/93 to 03/94

Master Dimension Modeler/Engineer-Master Dimension Data Base. Loft and develop various models for Engineering and Production Groups. Prepare and Design Composite tooling surfaces for Cure Tools, Polymeric Transfer Tools, Composite Skin Tools etc. Design Complex Composite parts for producibility. Strong Knowledge of composite Manufacturing requirements. Liaison between Lines Group and Engineering and Manufacturing. Focal for CATIA Advanced surfacing and solid modeling. CATIA v3 and Pro-Engineering. Secret and Program Clearances. JSF, F-22

Boeing Commercial Aircraft/Wichita, KS10/91 to 9/93

Primary Structural Engineer - Design, Engineer, and Model various machined components for 777 Program. Forward Monocoque, Nose Wheel Well Group. Kinematics Studies. Preliminary Stress Analysis. Participate in Design Build Teams. Focal for Solids and Surfacing. 6-month assignment to NC Programming. All work supported with engineering drawings. Establish modeling guidelines and standards for newly implemented CATIA software. Systems Engineer/Data Management, Liaison between Engineering and NC Programming. CATIA v3.

United Technologies/East Hartford, CT01/91 to 10/91

Design Engineer/Software Engineer – Design and model aircraft engine components for 4000 Series Gas turbine Engines in Unigraphics and CATIA. Model complex surfaces for Gas Turbine Blade Engines. Model Complex Solids to Produce Stereo Lithography Models to make temporary Lost Wax Process Molds. Involved with external ducting and hydraulic routing and piping. Assisted in establishing Pratt & Whitney's Design process and modeling standards. Assisted in the development of translating U/G to CATIA Solid Model Translator software. Technical advisor to Engineering for manufacturing and tooling process. Developed Configuration Control Data Management System using flat files.

Direct Employee**General Dynamics/Ft. Worth Division**08/88 to 12/90

Numeric Control Programmer/Master Dimension Database (MDDb)– Numeric Control Programmer, N/C Tooling for A-12, and other program tooling. Using Dassault Systems CATIA. Use CATIA surfaces and wire frame models for NC programming for tooling. Technical advisor for tool design for composite tooling concepts and tool producibility. Six-month assignment to master dimension data base to design and model structural and airfoil surfaces for manufacturing and tooling stages for initial wind tunnel models to finished products. A12, ATF, F-16 and NASP programs. Held Secret, Project and Program clearances. AIX, UNIX, C++/COBAL.