

## PROFESSIONAL EXPERIENCE AND CAPABILITIES

### DAN C. BAHR



## CRASHFORENSICS.COM

Crash Forensics LLC  
9040 Parkhill  
Lenexa, KS 66215  
(913) 438-1038

[www.crashforensics.com](http://www.crashforensics.com)

## SYNOPSIS

Mr. Bahr is a Forensic Automotive Technologist. His professional capabilities include the analysis and reconstruction of motor vehicle crashes, the technical analysis of the breach of vehicle warranties, the analysis of vehicle service and repair defects, the analysis of vehicle component failures, and the analysis of vehicle lemons. Additionally, Mr. Bahr has the capability of performing Electronic Crash Data retrieval, vehicle diagnostics and testing through onboard diagnostic systems, retrieval of vehicle

electronic fault code data, and testing and disassembly of vehicles and their components.

Mr. Bahr has a broad knowledge of motor vehicles he obtained through both formal education and extensive experience. His formal education was obtained from Pittsburg State University, which is considered one of the top Automotive Technology schools in the nation and is the home of the Kansas Technology Center. His experience includes positions as a corporate automotive district service and parts manager, new-car dealer's service manager, and owner of an independent automotive sales, service, and tow business. He has bought, reconditioned, and sold approximately 1,300 cars and trucks and personally performed over 6,000 hours of automotive service.

Mr. Bahr is a Master Automotive Technician, was a Missouri State Vehicle Inspector Mechanic for ten years, and has extensive training in numerous areas of automotive service, operations and management.

## EDUCATION

*B.S.T.*, Automotive Technology, Pittsburg State University, 1999

✚ **Bachelor of Science in Technology, Automotive Technology** - This degree had an emphasis in diesel and heavy equipment. The curriculum included the study of design, engineering, maintenance, and repair of automotive systems. Some of the required courses included engine performance, steering and suspension systems, automotive electrical/electronic equipment, automatic transmissions, manual transmissions, fluid power, and diesel engine fundamentals.

## CERTIFICATIONS AND LICENSES

✚ **Licensed Missouri State Vehicle Inspector Mechanic**, 2005 to 2015

✚ **National Institute for Automotive Service Excellence (ASE) - Master Certified Automotive Technician**, 2005 to present

➤ **National Institute for Automotive Service Excellence (ASE) - Certified Automotive Technician**, 1998 to present

➤ **National Institute for Automotive Service Excellence (ASE) - Certified in engine repair**, 1999. Recertified 2005, 2011, 2016

➤ **National Institute for Automotive Service Excellence (ASE) - Certified in automotive steering and suspension systems**, 1999. Recertified 2005, 2011, 2016

➤ **National Institute for Automotive Service Excellence (ASE) - Certified in automotive brake systems**, 1999. Recertified 2005, 2011, 2016

➤ **National Institute for Automotive Service Excellence (ASE) - Certified in engine performance**, 2005. Recertified 2011, 2016

➤ **National Institute for Automotive Service Excellence (ASE) - Certified in automatic transmissions and transaxles**, 1998. Recertified 2005, 2011, 2016

➤ **National Institute for Automotive Service Excellence (ASE) - Certified in manual transmissions, drive trains, and axles**, 1999. Recertified 2005, 2011, 2016

➤ **National Institute for Automotive Service Excellence (ASE) - Certified in automotive electrical and electronic systems**, 2005. Recertified 2011, 2016

➤ **National Institute for Automotive Service Excellence (ASE) - Certified in automotive heating and air conditioning**, 2005. Recertified 2011, 2016

➤ **Collision Publishing** – Crash Data Retrieval User's Summit, Houston, TX, 2016

➤ **US Department of Transportation** – Webinar on Crash Investigation and Reconstruction Technologies, 2015

➤ **University of Central Missouri, Missouri Safety Center** – Crash Reconstruction Training course, Kansas City, MO, 2015

➤ **University of Central Missouri, Missouri Safety Center** – Crash Investigation Part VI Training course, Kansas City, MO, 2015

➤ **University of Central Missouri, Missouri Safety Center** – Crash Investigation Part V Training course, Kansas City, MO, 2015

➤ **University of Central Missouri, Missouri Safety Center** – Crash Investigation Part IV Training course, Kansas City, MO, 2015

➤ **University of Central Missouri, Missouri Safety Center** – Crash Investigation Part III Training course, Kansas City, MO, 2015

➤ **University of Central Missouri, Missouri Safety Center** – Crash Investigation Part II Training course, Kansas City, MO, 2015

➤ **University of Central Missouri, Missouri Safety Center** – Crash Investigation Part I Training course, Kansas City, MO, 2015

➤ **University of Central Missouri, Missouri Safety Center** - Training course in On-Scene Crash Investigation, Lee's Summit, MO, 2014

## CRASH RECONSTRUCTION SEMINARS AND TRAINING

➤ **Illinois Association of Technical Accident Investigators** – Traffic Crash Reconstruction Conference, East Peoria, IL, 2016

## TRUCK SAFETY SEMINARS AND TRAINING

➤ **Idealease** – Training course on fleet safety and compliance with federal regulations, Riverside, MO, 2015

✚ **Idealease** – Training course on fleet safety and compliance with federal regulations, Riverside, MO, 2012

✚ **Idealease** – Training course on drug and alcohol for the supervisor, Riverside, MO, 2012

✚ **Missouri DOT Motor Carrier Services** - Training course on motor carrier safety and compliance with federal regulations, Lee's Summit, MO, 2012

## AUTOMOTIVE SEMINARS AND TRAINING

✚ **Automotive Service Association and Federal-Mogul** – Training course on Advanced Steering Diagnostics, Overland Park, KS, 2017

✚ **Automotive Service Association and ConsuLab** – Training course on CAN Bus Diagnostics, Overland Park, KS, 2017

✚ **Automotive Service Association and Federal-Mogul** – Training course on Electronic Brake Control, Overland Park, KS, 2017

✚ **Haldex Brake** – Training course on heavy duty air brakes, Kansas City, MO, 2016

✚ **O'reilly AutoParts** – Professional Technicians Seminar on Hybrid Diagnostics and Repair, Kansas City, KS, 2016

✚ **Automotive Service Association and Federal-Mogul** – Training course on Electronic Braking Systems, Overland Park, KS, 2016

✚ **Automotive Service Association and AC Delco** – Training course on Telematics Systems, Overland Park, KS, 2016

✚ **Automotive Service Association and AUTEL** – Training course on Automotive Scan Tools, Overland Park, KS, 2016

✚ **Automotive Service Association and AC Delco** – Training course on Electronic Power Steering Systems, Overland Park, KS, 2016

✚ **CarQuest Technical Institute** – Training course on Domestic Vehicle ECM Programming, Lenexa, KS, 2014

✚ **CarQuest Technical Institute** – Training course on Advanced Technology Vehicles: Service & Maintenance, Lenexa, KS, 2014

✚ **CarQuest Technical Institute** – Training course on Developing a Diagnostic Game Plan - Part 2, Lenexa, KS, 2014

✚ **CarQuest Technical Institute** – Training course on Vehicle Communication Breakdown, Lenexa, KS, 2014

✚ **CarQuest Technical Institute** – Training course on Air Conditioning Diagnosis and Service, Lenexa, KS, 2014

✚ **CarQuest Technical Institute** – Training course on Asian Security Systems Theory and Operation, Lenexa, KS, 2014

✚ **Automotive Service Association and Mechanic's Education Association** – Training course on Diesel Drivability, Overland Park, KS, 2014

✚ **Automotive Service Association and AC Delco** – Training course on Vehicle Network Communications, Overland Park, KS, 2014

✚ **Automotive Service Association and Bosch**– Training course on Brake Technology, Overland Park, KS, 2014

✚ **CarQuest Technical Institute** – Training course on Evaporative Emissions Diagnostics (Part 1), Lenexa, KS, 2013

✚ **CarQuest Technical Institute** – Training course on Evaporative Emissions Diagnostics (Part 2), Lenexa, KS, 2013

- ✚ **CarQuest Technical Institute** – Training course on New Vehicle Technologies - Coolants, Lenexa, KS, 2013
- ✚ **Haldex Midland Brake** – Training course on heavy duty air brakes, Kansas City, MO, 2013
- ✚ **CarQuest Technical Institute** – Training course on Secrets of a Mobile Diagnostic Technician, Lenexa, KS, 2013
- ✚ **CarQuest Technical Institute** – Training course on Current Probe, Lenexa, KS, 2013
- ✚ **Automotive Service Association and DENSO Training** – Training course on engine performance for 6.0 liter, 6.4 liter, and 6.7 liter Ford Power Stroke diesel engine, Overland Park, KS, 2013
- ✚ **Automotive Service Association and NAPA Technical Training** – Training course on 6.0 liter Ford Power Stroke diesel engine, Overland Park, KS, 2013
- ✚ **Automotive Service Association and MEA Training** – Training course on Intelligent Power Distribution and Smart Junction Boxes, Overland Park, KS, 2013
- ✚ **Automotive Service Association and CarQuest Technical Institute** – Training course on Electronic Throttle Control Diagnostics, Overland Park, KS, 2013
- ✚ **CarQuest Technical Institute** – Training course on New Vehicle Technologies, Lenexa, KS, 2013
- ✚ **CarQuest Technical Institute** – Training course on Modern Misfire Diagnosis, Lenexa, KS, 2012
- ✚ **CarQuest Technical Institute** – Training course on Body Control System Diagnosis: Lighting Systems, Lenexa, KS, 2012
- ✚ **Crash Data Services, LLC** – Training course on Crash Data Retrieval - Technician Level 2 Course, Shawnee, KS, 2012
- ✚ **Crash Data Services, LLC** – Training course on Crash Data Retrieval - Technician Level 1 Course, Shawnee, KS, 2012
- ✚ **Automotive Service Association** – Training course on O2 sensors, air fuel ratio sensors and advanced fuel control diagnostics, Kansas City, MO, 2012
- ✚ **CarQuest Technical Institute** – Training course on supplemental restraint system (air bags) diagnosis & repair, Lenexa, KS, 2012
- ✚ **Pittsburg State University and University of Toyota** – Training course on electronic & computer controlled systems, Pittsburg, KS, 2012
- ✚ **Automotive Service Association** - Training course on computerized body electronics, Overland Park, KS, 2012
- ✚ **Automotive Service Association and Bosch Automotive** - Training course on Advanced Networking and Electrical System Diagnostics, Overland Park, KS, 2012
- ✚ **Cummins Power Systems** - Training course on truck onboard diagnostics, Kansas City, MO, 2012
- ✚ **CarQuest Technical Institute** – Training course on New Vehicle Technologies: Fluids & Lubricants, Lenexa, KS, 2012
- ✚ **Society of Automotive Engineers (SAE)** – Training course on Accessing and Interpreting Heavy Vehicle Event Data Recorders (HVEDR), Norwalk, CA, 2011
- ✚ **CarQuest Technical Institute** – Training course on Developing a Diagnostic Game Plan, Lenexa, KS, 2011
- ✚ **CarQuest Technical Institute** – Training course on Essential Lab-scope Usage, Lenexa, KS, 2011
- ✚ **Automotive Service Association** – Training course on international automotive technicians' network, Overland Park, KS, 2011

- ✚ **Automotive Service Association** – Training course on Network Diagnostics, Overland Park, KS, 2011
- ✚ **Automotive Service Association** – Training course on Ford 6.4 liter powerstroke diesel, Overland Park, KS, 2011
- ✚ **Automotive Service Association** – Training course on Mass Airflow and Fuel Trim Diagnostics, Overland Park, KS, 2011
- ✚ **CarQuest Technical Institute** – Training course on electronic transmission controls, Lenexa, KS, 2011
- ✚ **CarQuest Technical Institute** – Training course on Gasoline Direct Injection Systems, Lenexa, KS, 2011
- ✚ **Automotive Service Association** - Vision Hi-Tech training, including diagnosing CAN systems, diesel emissions technology and fuel trim diagnostics, Overland Park, KS, 2011
- ✚ **Tech International** – Training course on tire repair, Lenexa, KS, 2010
- ✚ **Pro Auto Tech** – Training course on Lab Scope Operations, Bolivar, MO, 2010
- ✚ **University of Toyota** – Training course on service and parts strategic marketing, Torrance, CA, 2000
- ✚ **University of Toyota** – Training course on retail operations, Torrance, CA, 1999
- ✚ **University of Toyota** – Training course on Franklin Covey time management, Torrance, CA, 1999
- ✚ **University of Toyota** – Training course on just enough multi-tasking management, Torrance, CA, 1999
- ✚ **University of Toyota** – Pacific Institute training course on Investment in Excellence Phase I & II, Torrance, CA, 1999

## EXPERIENCE

### ✚2010 to present

***Forensic Automotive Technologist  
John C. Glennon, Chartered***

Performs forensic analysis and research of vehicle crashes and breach of vehicle warranty. His experience includes vehicle maintenance failure analysis, vehicle maintenance history analysis, vehicle mechanical failure analysis, service and repair defect analysis, vehicle diagnostic systems testing, crash data retrieval, heavy duty crash data retrieval, and crash data analysis.

Mr. Bahr has worked on cases and for clients in the following states: AL, AR, AZ, CA, FL, GA, IL, IN, IA, ID, KS, KY, LA, MA, MI, MN, MO, MS, NC, ND, NE, NJ, NM, NY, OH, OK, OR, PA, SC, TN, TX, UT, VA, WA, WI, WV, and WY.

### ✚2002 to present

***Owner/Service Technician  
Stockton Auto Inc.***

Owner of automotive service, automotive sales, and automotive tow and recovery business with a large loyal customer base. Performs technical diagnosis and repair of all vehicle components on all models of automobiles and light- and medium-duty trucks. Bought, reconditioned, and sold approximately 1,300 cars and trucks.

### ✚2001 to 2002

***Service Manager  
FUGATE MOTORS INC  
(A Ford, Chrysler, and Jeep Dealer)***

Was the direct supervisor of six automotive technicians and two automotive service advisers. Managed Ford, Chrysler, and Jeep repair and warranty claim documentation. Implemented service personnel training plan to achieve certification requirements for Ford and Chrysler dealers. Managed dealer's vehicle rental fleet.

### ✚1999 to 2001

#### *District Service and Parts Manager Toyota Motor Sales USA*

Analyzed repair documentation to identify the nature of vehicle repairs for warranty oversight. Performed examinations and testing of crashed Toyota vehicles with alleged causative defects. Represented Toyota in arbitration and mediation of customer dissatisfaction (lemon) disputes. Managed the service and parts departments of nine Toyota dealers within the Kansas City region. Implemented many Toyota factory programs within the service and parts departments of each dealer, including instruction and follow-up. Conducted service and parts consultations with dealer management after procedural assessment. Instructed and influenced dealership management about customer satisfaction and proper operation of service and parts departments.

### ✚1998

#### *Warranty Analyst Detroit Diesel Corporation*

Conducted engine failure analysis of heavy duty diesel engines for manufacture warranty assessment. Worked on medium and heavy duty engine R&D projects. Developed engine warranty labor operation trees.

### ✚1994 to 1996 summers

#### *Overland Park Public Works Equipment and Road Maintenance*

Crew leader responsible for heavy equipment, maintenance, repair and welding as well as operating asphalt and concrete equipment including pavers, loaders, and dump trucks.

## PROFESSIONAL ORGANIZATIONS AND PROFESSIONAL ACTIVITIES

- ✚ Member, International Network of Collision Reconstructionist, 2015 to present.
- ✚ Member, Automotive Technology Program Advisory Board, Kansas City, Kansas Community College, Kansas City, KS 2012-2017
- ✚ Automotive Service Technology Judge, Skills USA national championship, Kansas City, MO, 2013
- ✚ Automotive Service Technology Judge, Skills USA National Championship, Kansas City, MO, 2012
- ✚ Member, **Owner-Operator Independent Drivers Association (OOIDA)**, 2012 to present

## TECHNICAL PRESENTATIONS

- ✚ "Crash Course in Mechanical Failure Analysis" Shawnee Police Department, Shawnee, KS 2013

April 2017

## PUBLISHED PAPERS AND ARTICLES

- ✚ "Heavy Vehicle Event Data Recorders," *Truck Accident Magazine*, November, 2012.