

Roush Industries Job Posting

February 12, 2010 – March 12, 2010

Powertrain Calibration Engineers

A full-service engineering supplier headquartered in the Detroit suburb of Livonia, Michigan, Roush has over 2000 employees in more than 40 facilities across the United States and interests around the world. Widely recognized for providing engineering, testing, prototype development, and manufacturing services to the transportation industry, Roush also provides significant support to the automotive aftermarket, electronics, consumer product, and motorsports industries.

Your Role:

We are looking for a Calibration Engineer who is motivated by variety and change, and who actively enjoys new and challenging experiences. You must show a capacity to quickly assimilate and understand the implications of new developments and be ready to respond appropriately to situations as they evolve. As a Calibration Engineer, you will need to adapt to our customers' expectations and have the aptitude for understanding their detailed and exacting requirements. The ideal candidate must have a passion for cars and have an interest in a broad based, hands-on career in the automotive engineering industry. The position is located at our Allen Park facility.

Duties:

- Carry out dyno and vehicle-based calibration testing. Analyze the results to calibrate the powertrain control system and support the validation and release of the calibrations into production
- Perform hot/cold climate and high altitude development testing to meet customer objectives (e.g. driveability, performance, emissions, etc.)
- Calibrate all aspects of powertrain function, including: spark, fuel, electronic throttle control, OBD, starts, emissions, variable cam timing, etc.
- Prepare and deliver technical reports and presentations as part of the calibration documentation for status reviews and to support sign-off

Requirements:

- BSME or related 4 year engineering degree
- Two or more years of diesel or gasoline powertrain calibration experience
- Base engine, transmission, or OBD calibration experience
- An energetic and enthusiastic attitude toward vehicle testing and development
- Willing to travel within the U.S. for development testing at temperature and altitude extremes
- Ability to perform effectively in a team environment
- Good intrapersonal, verbal, and written communication skills
- Rapid problem-solving skills

Preferred Skills:

- Experience with MATLAB, ETAS INCA, and/or ATI Vision
- Bosch and/or Siemens control system experience

You must refer to this posting to be considered. Send resume by March 12, 2010. AA/EEO

Send updated resume to Salina Cinco: Recruiting Dept., B 7.
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Visit our website: www.roush.com

Keywords: Powertrain, calibration, engineer, gasoline, diesel, base engine, transmission, OBD, MATLAB, ETAS INCA, ATI Vision, spark, fuel, electronic throttle control, OBD, starts, emissions, variable cam timing