

## Senior Engine Calibration Engineer - Job ID 11487

Livonia, MI

Removal Date: August 30, 2016

Roush supplies comprehensive, integrated development services and provides customers with support that fuses technology and engineering. From design through prototyping, testing and manufacturing, we take our customers' visions from the sketch pad to production. We're focused, efficient, and we deliver. With over 3000 employees in more than 40 facilities across the United States, and interests around the world, Roush solves customers' problems and provides significant support to the automotive, performance products, military, entertainment, alternative fuels and consumer products industries. We are focused on performance, driven by technology, and committed to our customers' success. If you're only happy when your customers are happy, we want you on our team.

Are you a Senior Engine Calibration Engineer looking for a dynamic company to join? Due to our steady growth, we have an immediate opening for a Senior Engine Calibration Engineer who will be responsible for delivering calibrations from demonstration level to complete powertrain production level. The Senior Engine Calibration Engineer must show capacity to assimilate and understand the implications of new developments, quickly responding appropriately to situations as they evolve. This position is located at our Livonia, MI facility.

### Responsibilities:

- Carry out dynamometer and vehicle-based calibration development.
- Analyze results to calibrate the powertrain control system.
- Support the validation and release of the calibrations into production.
- Perform hot climate, cold climate and high altitude development testing to meet customer objectives.
- Calibrate all aspects of powertrain function, including core engine and transmission control features, electronic throttle control and reliability monitor, OBDII, tailpipe and evaporative emissions and auxiliary subsystems.
- Provide positive technical contributions in a project team environment.
- Support various dyno and/or vehicle based research projects.
- Provide guidance and mentorship to less experienced junior members of the team.
- Interface with customers providing technical reports and presentations.

### Qualifications:

- Bachelor's degree in Mechanical or Electrical Engineering.
- The Senior Engine Calibration Engineer will have five years of engine calibration or controls experience.
- An energetic and enthusiastic attitude toward vehicle testing, development, and research.
- Willing to travel up to 15% within the U.S. for development testing at temperature and altitude extremes.
- Ability to perform effectively in a team environment.
- Good interpersonal, verbal, and written communication skills.

### Preferred Skills:

- US Citizenship or Green card holder preferred
- Experience with ETAS INCA and/or ATI Vision calibration tools.
- Matlab Simulink or C program documentation experience.
- Diesel and/or alternative fuel engine calibration experience.

To apply, please visit the Roush careers page by clicking on this link: <http://careers.roush.com>

Our benefits include: medical, dental, vision, life insurance, LTD, 401K, tuition reimbursement, paid vacation, and paid holidays.

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EEO/AA/Veterans/Disabled