

Nitin Kumar

Powertrain Thermal Domain Owner

Contact

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**Maroan Bouadli,
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Hello Maroan,

I am writing to express my interest in the position of Powertrain Thermal Domain Lead as advertised. With 15 years of extensive experience in engine calibration and development, including significant work in EMS calibration for gasoline, natural gas, and hybrid BEV powertrains, I am confident in my ability to drive the thermal management strategies for electric, hydrogen, and diesel powertrains within your organization.

In my current role at Tenneco Controlled Powertrain, I lead the BEV Development team for AMG race engines, where I oversee the calibration, integration, and issue resolution for S-Class and E-Class vehicles. My experience aligns with the responsibilities of this role, particularly in ensuring that powertrain components operate within optimal temperature ranges to maximize performance and lifespan. For example, I successfully managed the development of a 35% thermally efficient SI engine, which involved rigorous thermal testing and optimization, directly contributing to improved fuel efficiency by 12%.

I have a deep understanding of the powertrain domain, having worked extensively on V-cycle definition and testing processes. My role requires constant collaboration with cross-functional teams, including vehicle divisions and system owners, ensuring alignment on powertrain thermal targets and requirements. I have led numerous workshops and stand-up meetings, including E-Motor design improvement sessions, to enhance product performance and meet project deadlines.

In addition to my technical expertise, I possess strong leadership skills, demonstrated through my management of a 13-member team at Maruti Suzuki, where I streamlined calibration processes, reducing timelines by 20%. My ability to present complex technical concepts clearly and effectively in management meetings has been honed through years of reporting to senior leadership and steering committees.

My proactive attitude and perseverance are evidenced by my continuous pursuit of excellence, whether it's through implementing innovative solutions like auto-calibration via CAMEO or optimizing calibration guides for standardization. These achievements reflect my commitment to operating in fast-paced, results-oriented environments while managing multiple priorities.

I am eager to bring my expertise in thermal management and powertrain development to your team and contribute to the success of your projects.

Thank you for considering my application.

Best regards,

Nitin Kumar

Enclosure- Resume and Certificates