



How Infosys is helping General Motors build their software capabilities

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Primary Keyword	Infosys General Motors software partnership
Meta title	How Infosys Is Powering General Motors' Software Revolution
Meta description	Learn how Infosys is partnering with General Motors to build next-gen software capabilities, transforming how modern vehicles are developed, tested, and supported.



Cars aren't just metal and engines anymore — they're rolling computers powered by millions of lines of code. Automakers like General Motors (GM) know this better than anyone. As they transition to electric, connected, and autonomous vehicles, building world-class software capabilities is no longer optional — it's survival.

That's where Infosys, a global leader in IT consulting and helpdesk support, comes in. Drawing inspiration from the [Infosys Blogs](#), let's explore how Infosys is helping GM become a true software-first auto giant.

The Challenge: Software-Defined Vehicles

Today's vehicles require integrated software for:

- Electric powertrain controls
- Battery management systems
- Advanced driver assistance systems (ADAS)
- Infotainment and connectivity
- Over-the-air (OTA) updates

For an automaker like GM, scaling software capability means combining mechanical engineering with robust IT infrastructure, cloud systems, cybersecurity, and 24/7 support.

Infosys + GM: A Strategic Partnership

Infosys has partnered with GM for decades, providing everything from IT consulting to digital transformation. But in recent years, the focus has shifted squarely to helping GM become a leader in software-driven mobility.

The collaboration covers:

- Developing new embedded software for electric and autonomous vehicles.
- Modernizing legacy IT systems to support connected car features.
- Creating cloud-native applications for OTA updates and predictive diagnostics.
- Providing round-the-clock helpdesk and support for software issues globally.



1. Building Next-Gen Engineering Hubs

Infosys set up global engineering centers that work closely with GM's R&D teams. These hubs help GM develop, test, and validate critical vehicle software — from ADAS to EV batteries.

Through agile methods, Infosys ensures faster iterations, better quality, and quicker time-to-market for new features.

2. Cloud and Data Analytics

Connected cars generate massive data streams. Infosys helps GM harness this data securely in the cloud, turning it into actionable insights — from predictive maintenance to user behavior analytics. This data-driven approach supports safer vehicles and a better driver experience.

3. Cybersecurity by Design

Modern cars are high-value hacking targets. Infosys integrates cybersecurity into every software layer — from embedded systems to cloud apps — ensuring GM's vehicles remain resilient against threats.

Regular audits, compliance checks, and threat intelligence are part of this robust digital shield.

4. IT Helpdesk and Global Support

Software glitches can be costly — not just financially but reputationally. Infosys provides round-the-clock IT support for GM's software operations worldwide. From remote diagnostics to OTA update rollouts, Infosys ensures that GM's digital ecosystem runs smoothly.

This level of proactive helpdesk service sets GM apart from automakers still playing catch-up with digital transformation.



5. Enabling a Software-First Culture

Infosys doesn't just deliver projects — it helps GM build internal software skills. Through training, upskilling programs, and knowledge transfer, Infosys empowers GM's own engineers to adopt DevOps, Agile, and cloud-native best practices.

This future-ready culture helps GM compete not just with traditional carmakers but also with tech-first disruptors like Tesla.

The Broader Impact

Infosys works with other major OEMs too, but the GM partnership stands out for its scale and ambition. Together, they're redefining what an automaker looks like — transforming factories into software labs and cars into upgradable, intelligent machines.



Final Thoughts

GM's software revolution is no solo journey. With Infosys as a strategic IT and helpdesk partner, GM is building vehicles that are smarter, safer, and more connected than ever. This partnership shows how the future of mobility depends not just on wheels and engines — but on robust, scalable software, powered by global tech leaders like Infosys.



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