



# • APTIV •

'We are one of the largest vehicle technology suppliers and our customers include the 25 largest automotive original equipment manufacturers "OEMs" in the world. We operate **127 major manufacturing facilities** and **12 major technical centers** utilizing a regional service model that enables us to efficiently and effectively serve our global customers from best cost countries. We have a presence in **46 countries** and have **approximately 19,000 scientists, engineers and technicians** focused on developing market relevant product solutions for our customers'

## Software Engineer (C++/Python)

### Position Summary

Driving Simulation and Data Processing are two of the hottest and most important technologies supporting ADAS, Automated Driving, and vehicle cockpit development. The Sim and Tools organization has the charter within Aptiv's Office of the Chief Technology Officer to create, enhance, and maintain the code of the software tools that are used for Driving Simulation and Data Processing, both in the form of desktop applications and datacenter/cloud frameworks. Used in every corner of Aptiv's Advanced Safety and User Experience business, and by the OEM customers themselves, the products of the Sim and Tools organization are cornerstones of the Aptiv's ability to execute its engineering projects. We are fortunate to attract some of the best and brightest software development and software development leadership talent because tool development, especially those tools used in big data processing, datacenter/cloud/HPCC deployment, and involving AI/ML, enables a larger degree of creativity and user engagement that is unique in the automotive industry.

### Your Role

- Create and deploy Windows and Linux applications, scripts, and deployment frameworks for data processing including the data processing of map and behavior data. The applications, scripts, and deployment frameworks are used as tools by engineers to develop and deploy Aptiv's products.

### Your Background

- PhD degree in computer science, electrical engineering, or related field with 3 + years of Experience.
- Ability to code in Python / C++ and Rust **[OR]** Ability to code in Python and MATLAB (Mathworks Toolboxes. M-scripting and Simulink)
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- Experience with relational, graph, and no-SQL databases including large scale load balancing (2+ years of job assignment experience involving map data preferred)
- Ability to implement a cluster-deployed and containerized software solution that has both static (low latency) and dynamic updates.
- Experience in designing a scalable solution, specifically dealing with the problems when there are multiple requests expected to achieve rapid updates.

## **Aptiv Rewards & Advantages**

- *Showcase local incentives: Benefits, Schemes, Programs, Community Sponsorship, Wellness, Training/L&D, Tuition Reimbursement etc.*

## **Some see differences. We see perspectives that make us stronger.**

Diversity and Inclusion are sources of innovation and creativity, both of which are essential to Aptiv's success. Everyday our diverse team comes together, drives innovation, pursues solutions, and meets challenges using their unique abilities, perspectives and talents, changing what tomorrow brings. When you join our team, you'll get encouraged to think boldly, express your viewpoint and innovate as a matter of habit.

## **Some See Technology. We See a Way to Make Connections.**

At Aptiv, we don't just see the world differently; we work to change reality. That means developing technology that rewrites the rules of what's possible in the pursuit of making transportation safer, greener and more connected. Today there are more than 180,000 of us globally, located in 46 countries, and united by one mission. Join the movement and together, let's change tomorrow.