

Middleware and SDK development

Case study



Client:
Development, integration and maintenance of AUTOSAR Adaptive service modules and SDK

Locations
• **Germany (Braunschweig)**




Engagement model
• **Fixed price**
• **Customer process**

Timeline
2018–present

Technologies and tools:

- Git
- Airwatch
- Bitbucket
- SQL
- Jenkins
- Crucible
- Scrum

Project scope

- 
Implement OEM-specific adaptive services
- 
Testing, maintenance and refactoring of older revisions
- 
Support in the integration with the different adaptive stack(s) for different ECU projects

Team expertise

- 
2-3 architects
- 
3-4 testers
- 
10 senior C++ developers
- 
2-4 senior Java developers
- 
Project lead and lead developer

- Optimized application
- System/OEM specific adaptive services
- Commercial AR-AP stack
- Commercial OS
- SoC drivers
- Product BSP, bootloader, hypervisor
- Target SoC/product PCB

Customer story

Technologies and tools

Code

- Git (to ease detached working/merging)
- Peer code reviews with Bitbucket/Crucible

Continuous integration

- Jenkins internally
- Airwatch to sync with customer

Confluence

- Meeting minutes
- Technical documentation
- Organization, project planning

Architecture/requirements

- Enterprise architect (with SQL/Git)

Jira: Scrum process

- Task description, status, required resources linked/attached
- Kanban board for daily scrum

About Luxoft

Luxoft is the design, data and development arm of DXC Technology, providing bespoke, end-to-end technology solutions for mission-critical systems, products and services. We help create data-fueled organizations, solving complex operational, technological and strategic challenges. Our passion is building resilient businesses, while generating new business channels and revenue streams, exceptional user experiences and modernized operations at scale.

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