




Personal Information

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Studies

Title of degree	Study Period	Location
Bachelor's Degree in Telecommunication Technologies Engineering	2013 - 2017	ETSIT University of Valladolid
Master's Degree in Telecommunication Engineering	2017 - 2019	ETSIT University of Valladolid

Diploma Thesis

Company	Title	Abstract
Daimler AG	c:DIAGnostics, test automation of vehicle diagnostics and integration of Vehicle-in-the-Cloud Rack for Mercedes-Benz commercial vehicles/vans	<p>Internship at Daimler AG (Mercedes-Benz Vans, Stuttgart, Germany). Development of a CANoe simulation (c:DIAGnostics) completely from scratch programmed in CAPL. Additionally Matlab and C Sharp were also used in other programs. cDIAG is an integral tool that analyzes the diagnostic commands sent on a vehicle and simulates them for end to end testing of new predictive diagnostics services. This tool is part of the Vehicle-in-the-Cloud methodology.</p> <p>The Vehicle-in-the-Cloud Rack has also been developed. c:DIAG and other tools of the methodology run on this Rack becoming virtual vehicles. The Rack is ideal to test connectivity services, such as Connected- or Autonomous-Car.</p>

Professional Experience

Company/ University	Location	Period	Description
P3	Stuttgart (Germany)	21.01.2019 - Currently	Engineer, Automotive projects
Daimler AG	Stuttgart (Germany)	18.06.2018 - 17.12.2018	<ul style="list-style-type: none">Final Project: Enhanced CAN test automation of telematic diagnostics and Vehicle-in-the-Cloud Rack.Focus: CANoe, CAPL, CAN-Bus, Dataloggers, Panel Designer, C++.Sector: Automotive, telematics.



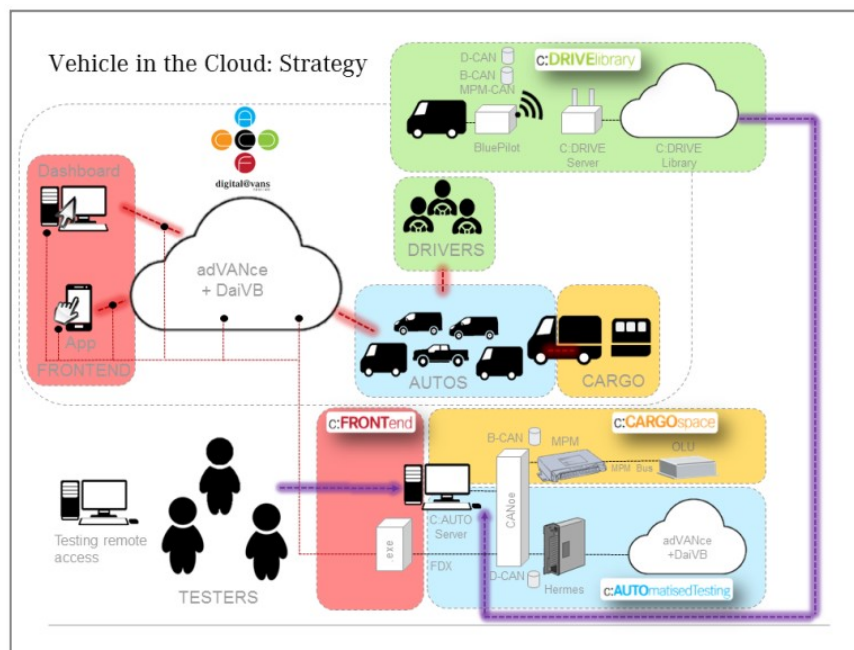
Zener	Valladolid (Spain)	08.2015 - 04.2016	<ul style="list-style-type: none">▪ Internship: Elaboration of proposals, KPI monitoring.▪ Focus: Project Management.▪ Sector: Telecommunications.
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Languages

Language	Understanding	Speaking	Reading	Writing	Certificates
Spanish	Mother tongue	Mother tongue	Mother tongue	Mother tongue	-
English	High	High	High	High	C1
German	High	High	High	High	C1
French	Medium	Medium	Medium	Medium	-

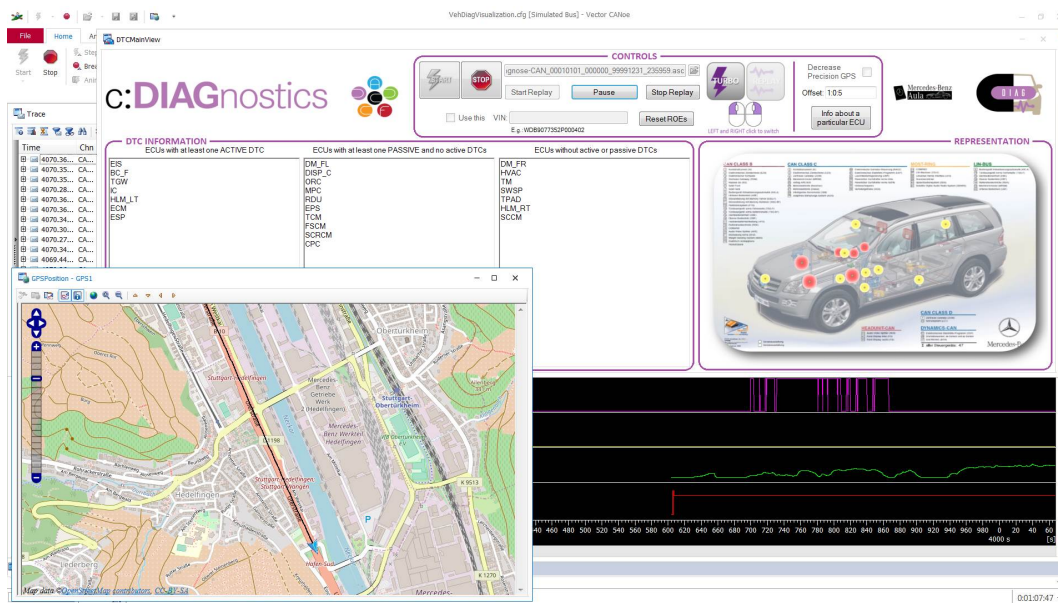
Vehicle in the cloud

Structure of the ecosystem

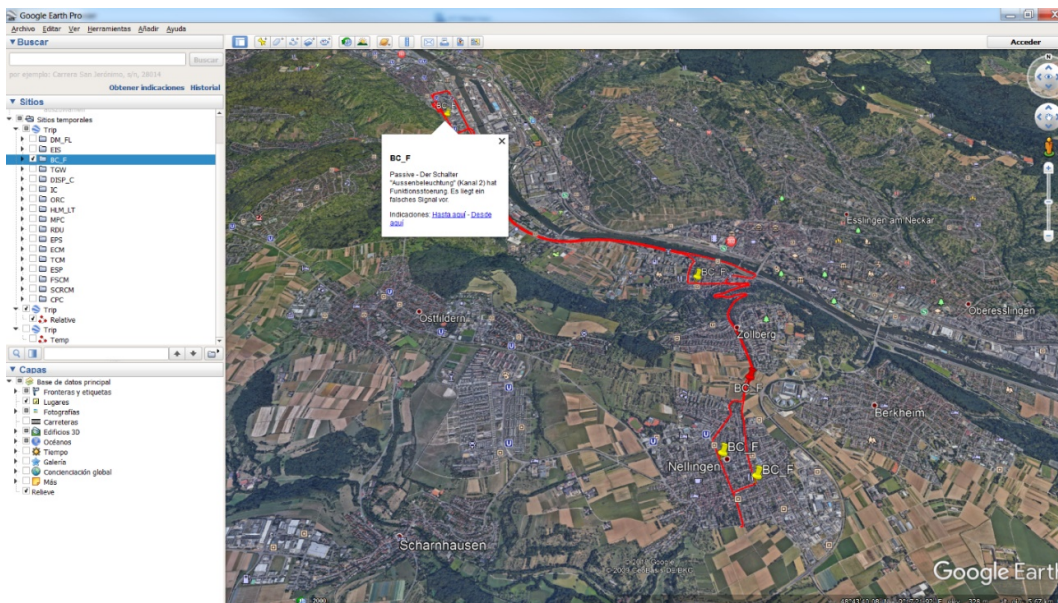


c:DIAGnostics

c:DIAG allows testing the Vehicle Diagnostics features as they occurred in the real vehicle. It also simulates all the ECUs of the vehicle in terms of diagnostics. It has two working modes, the TurboMode, where the drive log is analysed, and the ReplayMode, where the diagnostics of all ECUs are simulated.



CANoe simulation.



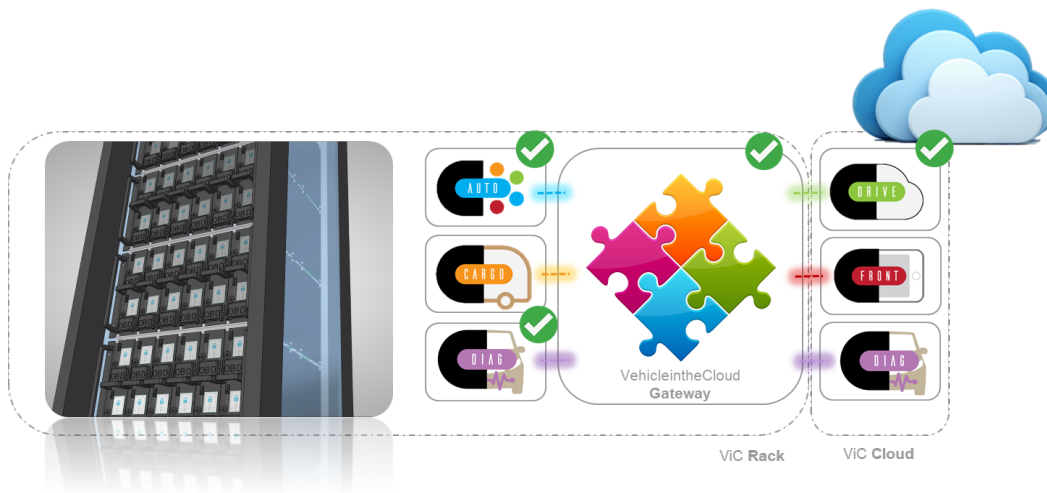
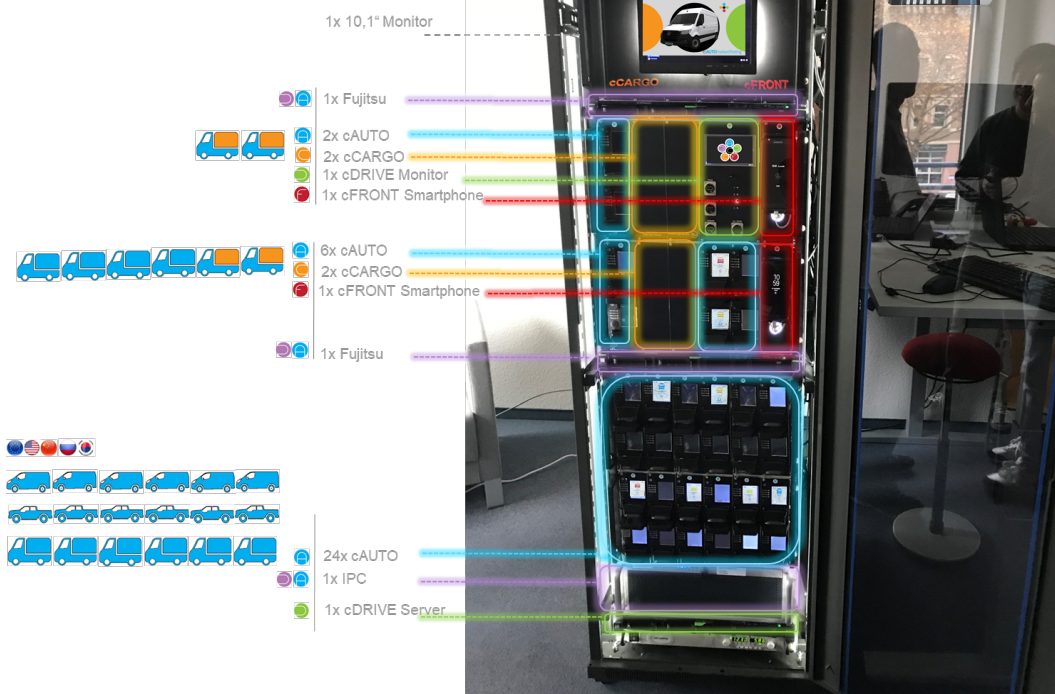
Other tools like MATLAB and Google Earth were used to analyze the routes.

Vehicle-in-the-Cloud Rack

The Vehicle-in-the-Cloud Rack is an innovative concept used for testing purposes. The idea is to use virtual vehicles instead of real vehicles, which cost money, need to be driven by someone, and pollute. Virtual vehicles simulate a real drive, that is, reproduce the same exact conditions of a real drive, so it is ideal to test.

vehicle in the cloud

Mercedes-Benz



Part of the Gateway application was developed in the thesis, interconnecting Cloud and Rack.