

ALEJANDRO VEGA GÓMEZ

Embedded Software Engineer looking for new challenges

@ alexvega48@gmail.com

+34 626 88 98 46

Madrid, España

https://www.linkedin.com/in/alejandrovegagomez/

https://github.com/aavg-dev

EXPERIENCE

Embedded Software Engineer

GMV

Jan 2017 - Now

Madrid - Valladolid, ES

- Conception, design and development of DeepSy, a multi-platform framework created for Intelligent Transport Systems (C++)
- Main developer for telecommunication (Modem) and geopositioning (GNSS) services. Development of application layer, API and tool.
- Development of services with different purposes: OTA updates, processes control, automatic report of device status, Audio service, RTC service.
- C++: STD and Boost libraries, specialized in Asio and Thread. Use of other libraries such as Signal, Spirit, Regex, Filesystem. Inter-process communication libraries (ZMQ) and serialization (Protobuf, JSON).
- Scrum + Agile: Experience as Scrum Master (1,5 years) and responsible for Product Owner tasks.
- CI/CD: Integration of a Software Quality Gate for metric analysis and code quality using Sonarqube.
- Organization of demos for external and internal clients and organization of workshops to create new applications and functionalities.

Software Engineer

Nestwork

Jan 2015 - Jan 2017

Madrid, ES

- Development of applications for consumer electronics: personal security wearables and pet wearables.
- Behaviour Driven Development (BDD) using Gherkin and Cucumber.
- Investigation of new technologies and creation intellectual property for the company (I+D)
- Testing and Validation of prototypes at different levels: industrial design - casing and PCB.

COURSES AND EVENTS

Linux Drivers

TimeSys, Pensilvania

Interactive programming in Python

Rice University, Houston

Agile Methodologies

- Agile Meets Design Thinking [University of Virginia]
- Managing an Agile Team [University of Virginia]
- Running Product Design Sprints [University of Virginia]
- Testing with Agile [University of Virginia]
- Product Owner [233 Grados de TI]

Oratory and how to talk in public

Habilitips, Madrid

ACHIEVEMENTS



Commitment and y persistence

Shown during the years within the company



Personal growth and GMV growth

After the succesful evolution of GMV-ITS

SOFT SKILLS

Critical Thinking

Adaptation

Learning capacity

Empathy

Personal motivation

Active and decisive

HARD SKILLS

C++

Python

Linux

Gtest

Gmock

Git

Qt

Bash

Yocto

Dev-Ops

Robotest

CI/CD

Regex

Multithreading

Atlassian tools

INTERESTS

Agile methodologies

UX

UI

Software Product

Renewable energies

Autonomous vehicle

Volunteering

LANGUAGES

Spanish (Native)

English

German



EDUCATION

Master's Degree in Industrial Engineering

University Carlos III de Madrid

2014 - 2016

Bilingual Engineering Degree in Industrial Technologies

University Carlos III de Madrid

2010 - 2014

Erasmus experience in Poland

University Carlos III de Madrid

2014