

# Kavirthan KARUNAKARAN

Born the 26/02/1995 in Paris XVe – French Nationality

I have an organized and rigorous temperament, ready to take on new challenges.  
I like teamwork and am motivated by the field of computer science and new



## CONTACT

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## EXPERIENCES

01/2022 – current job

► **IT Engineer – SCRUM Master**

Toulouse (31) – FRANCE



Department IDEA : Innovative Digital Education for Aerospace

- **GenHyo** project: Project management and control of functionalities [NaaS](#)
- **UNIVERSEH** European University project: Server development, web clients ([Microlearning](#)) and other components required for [NaaS](#) and [IREAL](#) architecture, (Vue.JS, Drupal, Django, php, Nuxeo, python)
- Code integration, Testing, Release, Hot Fixes (GitLab, Jenkins, VM, Kubernetes, Docker)
- Sprint Planning organization, Daily Scrums, Sprint Review

09/2022 – current job (only week-end)

► **Independent developer**

Toulouse (31) – FRANCE



- Website, software and smartphone application development for the past decade and officially an entrepreneur since September 2022
- IT project management from idea to production
- Custom pc configuration and assembly

11/2019 – 10/2021 (2 years – VIE contract)

► **Software Integration Manager**  
► **Software / Embedded Software Engineer**

Donauwörth – GERMANY



Department : ETZWM: Military Software Products  
ETYW: Software Métier

- CDU interface development for the future Tiger MkIII on a touch ICDS, design and development of buttons, keyboard (letters + numbers), sliders, tactile text areas... (C, C++, with OpenGL library modified by Thales + GPU)
- Setting up a continuous integration server (Docker, Jenkins, GitLab, Raspberry Pi) + transforming Matlab code into C code + testing with ROS containers
- Wrote DO-178C objectives, for software development applicable to airborne systems and equipment (life cycle processes, Design Assurance Level (DAL), descriptions and activities)

11/2017 – 08/2019 (2 years – Apprentice)

► **IT Project Manager**  
► **Application Development Engineer**

Toulouse (31) – FRANCE



Department TEPAD-TL5 (old name: TEICT-TL5) : 3D Space Lab & TLS CAD Process

- Digitalization: transformation of programs using Excel macros and paper documents to forms on the website (PHP, MySQL, VB.NET... connection to SAP and Windchill)
- Support for 3D Space Lab web tools and software (Charts, C#, Macro, Android...)
- Innovation around development methods within the design office
- Responsibility: Management, training and follow-up of trainees in web technologies (MS Project, PHP, MySQL, HTML, CSS, JS)

## SKILLS

Dev: C#, C, C++, JAVA, PHP, python ...

Web: HTML, CSS, JS

Bootstrap, Material Kit, Semantic UI...

jQuery, React JS, Vue.JS...

Drupal, Laravel...

Database: SQL, Merise

Linux: System and Network

Windows Server Administration

CAD: CATIA, SolidWorks, AutoCAD

Project Management: ITIL, UML

ClickUp, JIRA, MS Project, Trello

Agile method: SCRUM

V-cycle method

Team Management

Organisation

Communication

**Mobile Application in Xamarin**

Creating and publishing applications and games on Google Play: [KavInnovations](#)

**Web development** (for 4 years)

Personal Project - Creation of a video viewing site (html, css, JavaScript)

**CAD Design**

Personal Project - Creation and sharing of 3D drawings (CATIA V5)

04/2017 – 08/2017 (4 months – Internship)

► **IT Developer**

Toulouse (31) – FRANCE

- Development of a setup for installing a software (pascal language + inno-setup for creating the setup)
- Mobile application development (iOS + Android) with Xamarin (.NET, C#)
- Algorithm testing for Serious Games (C#, Unity)

04/2015 – 06/2015 (10 weeks – Internship)

Group **POULT** 

► **Office of Research and Development**

Montauban (82) – FRANCE

- Design of an improvement system on a production line (3D design with AutoCAD)
- Layout drawing of a new machine on a production line (2D drawing and dimensioning with AutoCAD)
- Optimization of machine settings with the help of statistics



## EDUCATIONS

10/2017 – 08/2019

ESAIP Engineer School – Institut Limayrac – Toulouse (31)

► **Master International Project Manager in Computer Science and Network**

2 years apprentice program as Application Development Engineer, then Project Manager at Airbus Defence & Space in Toulouse in FRANCE.

- Projects: Fighting robot controlled by smartphone & mobile application and website allowing the purchase of parts for an urban rally
- Other project: Creation of the game Mastermind on Android mobile + iOS (with Xamarin)

10/2016 – 08/2017

École La Mache – Institut Limayrac – Toulouse (31)

► **Bachelor's Degree in Computer Science Project Manager**

Initial education with an internship of 4 months as an IT developer in the company MEDICAPTEURS in Toulouse in FRANCE.

- Project: Design of a software protection system with licenses purchasable on a website (protection with a dll developed in C# + website in PHP with MySQL database)

09/2013 – 06/2015

University of Toulouse II Jean Jaurès – IUT Figeac (46)

► **University Degree of Technology in Mechanical and Production Engineering**

Initial education with an internship of 10 weeks in the Research and Development Office of the company POULT in Montauban in FRANCE

- Project: Design and realization of a vinyl turntable (CATIA V5)

09/2012 – 06/2013

Lycée A. Bourdelle – Montauban (82)

► **Scientific Baccalaureat**

Engineering Science Specialty and Computer and Digital Science Specialty.

- Project: E-purse, sorting and automatic distribution (SolidWorks)
- Project: Virtual Piano coded in C++ with the sdl library then in Qt

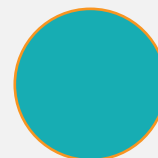


## SOFTWARE USED

- Project management: Microsoft Office Project & Visio, Trello, JIRA, ClickUp
- Development: Visual Studio Code, Android Studio, Eclipse, PyCharm
- Integration: GitLab, Jenkins, Docker, Kubernetes
- Virtualization: VM Ware, VirtualBox, Paint
- CAD: CATIA V5, SolidWorks, AutoCAD
- Document: Microsoft Office, Open Office
- Other: GitHub, Photoshop



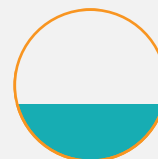
## LANGUAGES



French  
(Mother tongue)



English  
(C1)



German  
(A2)



Tamil  
(Mother tongue)



## POINTS OF INTEREST :

Technology Watch | Space Science  
Mechanics | Motorcycle | Car  
Football | Basketball | Hiking

