

Julien MERLE

Mobile developer

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Information

Birthdate 12/26/89 (34 y.o.)
Driving license : B (manual cars)

Diplomas

- 2013 Master**
5 year university degree in computer science focused on multimedia and image processing
University of Burgundy
- 2011 Bachelor**
3 year university degree in computer science
University of Burgundy
- 2010 Diploma of Higher Education**
2 year technical degree in software engineering
IUT of Dijon
- 2008 Advanced Level**
High-school diploma in science
European secondary school in Dijon

Languages

French – Native language
English – Advanced (C1)
Spanish – Basic knowledge

Multimedia

OS : Linux, Android, Windows
2D : Photoshop, Illustrator, Gimp
3D : Blender, Fusion 360
Game engine : Unity 3D, Godot

Interests

Nature, Cycling, Drawing, **Computer design**, DIY, **3D printing**, drone
Blockchain, **Mechanic**, Retro-gaming

Expertise



2023 - 2024 (1 year) : Software developer – Freelance
Analysis, support and development of solutions for clients

- ✓ Audit and maintenance of native Android applications in **Kotlin**
- ✓ Development of cross-platform applications (mobile, web and desktop) using **Flutter**
- ✓ Implementation of a **MySQL** database and development of **CRUD** for mobile applications
- ✓ Development with **Godot** of a configurable 3D images generator to feed an AI



2017 - 2023 (6 years) : Lead developer – Full time job
NOMEO Apps Panel Lyon

Production of Android applications from conception to development as a mobile expert.

- ✓ Mobile applications development on **MVP** and **MVVM** architecture under **Java**, **Kotlin** and **Flutter** languages
- ✓ Development of **AAR** Android library and **Flutter bridge**
- ✓ Implementation of **REST API**, **WebSocket** and **Bluetooth** communication
- ✓ Local data saved with **SQLite**, **Room**, **Couchbase**
- ✓ Versioning (**GitFlow**) of **GitLab**/**GitHub** sources with code review (**Pull requests**)
- ✓ Bugs investigation and fixes (**JIRA**, **ClickUp**)
- ✓ Applications design (**wireframes**, consultant **UI/UX** material design)
- ✓ Estimation (charges, risks, plannings, **Gantt** chart)
- ✓ Technical manager (**R&D**, technical solution finder, prototyping)
- ✓ Technical docs and specs writing (**JavaDoc**, **KDoc**, **ReadMe.com**)
- ✓ App management and monitoring with **Firebase** (push, analytics, crashlytics, distribution)
- ✓ Authentication code implementation : **JWT**, **OAuth 2.0**, **Google Sign-In**, **Facebook Login**
- ✓ Maps integration (location, markers, itinerary, tiles) with **Google map**, **OSM**, **MapBox**
- ✓ Setting up in-app purchases with **Google** and **Stripe**
- ✓ App stores publication on **Google Play**, **Huawei AppGallery** and **Amazon Appstore**
- ✓ Hiring process (interview, technical tests, supervision)
- ✓ Application of **Agile** (**Scrum**, **Kanban**, **XP**) methodologies
- ✓ Setting up unit tests (**Kotest**)



2013 - 2017 (4 years) : Software engineer – Full time job
ATSUKE Apocope Dijon

Conception and development of websites and mobile applications for major brands.

- ✓ Android applications development on **MVP** clean architecture under **Java** language
- ✓ Web development on **MVC** clean architectures with **Zend Framework**, **Symfony**, **CodeIgniter** and **Silex**
- ✓ Development of admin **back-offices** (C.R.U.D.)
- ✓ Creation of **responsive designs** (mobile, tablet & desktop) with **PHPTAL**, **Sass**, **jQuery**, **Ajax**
- ✓ Development of **REST API** (JSON) and requests monitoring (Curl, Postman)
- ✓ Database management with **Oracle** and **MySQL** (PhpMyAdmin)
- ✓ Bugs investigation and fixes (**Trello**, **Redmine**)
- ✓ Setting up online payments with **ATOS**
- ✓ Maps integration (location, markers, measures) with **Google map**
- ✓ App store publication on **Google Play**
- ✓ Application of **Agile** (**Scrum**, **Kanban**) methodologies
- ✓ Supervision of web developer interns



2013 (6 months) : Developer – Internship
ATSUKE Apocope Dijon

Development of websites within a marketing environment.

- ✓ Implementation of **MVC** web clean architectures under **Zend Framework** and **Symfony**
- ✓ Development of admin **back-offices** (C.R.U.D.)
- ✓ Creation of **responsive designs** (mobile, tablet & desktop) with **PHPTAL**, **Sass**, **jQuery**, **Ajax**
- ✓ Application of **Agile** (**Scrum**, **Kanban**) methodologies



2010 (3 months) : Developer – Internship
EADS Airbus Toulouse

Development of internal projects within Airbus airplane repair service.

- ✓ Development of **VBA** forms in order to automatise administrative files generation
- ✓ Development of a web platform giving access to a large scale list of technical files
- ✓ Development of an analytic software to identify deprecated and duplicated files on a storage server

