Yoann Chamillard
Full Stack Web & Mobile Developer Engineer

Infos

Full driving licence A,B

2 rue Paulin Méry
75013 Paris,
France

International mobility

+33 670525552
yoann.chamillard@gmail.com

LinkedIn ↗
GitHub ↗

French
English (C1,Bulats)
German (B1)

Organization
Creativity
Teamwork
Initiative
Adaptability
Management

CAD / CAM
★★★★★ **Catia V5&V6**
★★★★☆ **Creo 4.0**
★★★☆☆ **3D Printing**

PLM / PDM
★★★★☆ **NewPDM**
★★★☆☆ **Windchill**

FEM / CAE
★★★☆☆ **Ansys Wbench**
★★★☆☆ **Abaqus**
★★☆☆☆ **Hyperworks**
★★☆☆☆ **Hypermesh**

Le 18/6/2024

IT-Skills

- **Mobile Development**
  ★★★★☆ **Kotlin**
  Room, Firebase, Gson, Jetpack Compose, Retrofit, MVVM, Coroutine

  ★★★★☆ **Flutter**
  ★★★★☆ **Android**
- **Web Development**
  ★★★★☆ **HTML,CSS**
  ★★★★☆ **JavaScript**
- **Web Frameworks**
  ★★★★☆ **Django**
  ★★★★☆ **Vue.Js**
  ★★★☆☆ **PHP-Laravel**

- **Back-end / Server**
  ★★★★★ **Python**
  Flask, SQLAlchemy, PyMongo, PyTest, FastAPI, Numpy

  ★★★☆☆ **Java**
  ★★★☆☆ **Nginx**
  ★★★☆☆ **Apache**
  ★★★★☆ **API**
- **Authentication**
  ★★★★☆ **JWT Auth**
  ★★★☆☆ **OAuth**
  ★★★★☆ **Firebase**
- **Devops, CI/CD**
  ★★★★☆ **Git / GitLab**
  ★★★☆☆ **Docker**
  ★★★☆☆ **Jenkins**
  ★★★☆☆ **Selenium**
  ★★★☆☆ **Cron**

- **Databases**
  ★★★★☆ **MySQL**
  ★★★☆☆ **PostgreSQL**
  ★★★★☆ **MongoDB**
  ★★★☆☆ **SQLite**
- **Data**
  ★★★★☆ **Shiny**
  ★★★★☆ **Pandas**
  ★★★★☆ **Matplotlib**
  ★★★★☆ **Jupyter**
- **AI & Tools**
  ★★★☆☆ **Tensorflow**
  ★★★☆☆ **Keras**
- **Others**
  ★★★☆☆ **Bash**
  ★★★★★ **OpenAPI**
  ★★★★☆ **Jira**

Work Experience

09/22 - 11/23 **Web & mobile developer** — *Synapsun, Lyon, FR*

Full stack web & Android mobile developments: Flutter, Python, Kotlin

Context - Mission:
Automate and improve company's repowering* service reactivity (*: Identify and offer replacement solar panels to solar plant owners whose panels are either ageing or damaged

Tech. Envir.:
Mobile: Android, Flutter, Kotlin
Web: Python, Django, Javascript, PHP, HTML, CSS
Devops, CI/CD: Git, GitLab
Databases: PostgreSQL, MongoDB
Languages: French, English (international team)
Others: OpenAPI, API, Jira, VBA

Goal:

- Relieve commercial service in the process dealing with repowering quotation requests and reduce reply time to potential clients.
- Identify and immediately access client's plant's panels' specifications
- Automate the search for compatible panels available either in our shop or at suppliers.
- Give our clients a mobile app whose objective is to guide them to send a quotation request on identified compatible products.

Tasks - Achievements:

- Collection of needs, built specification dossier with technical and functional specifications, software application components definition & design to best answer the company's needs.
- Web Scraper Development in Python
- Data Models Design
- Wrote APIs specifications in the OpenAPI / Swagger standard

- MongoDB product database and Python FastAPI API setup
- Mobile Multi-platform client app development in Flutter.
- Secure Access management with JWT tokens (Json Web Token)
- PostgreSQL database and Python Django back-end setup for Users and Quotations management.
- Supplier / Subcontractor contact for outsourced tasks

11/19 - 04/22 **R&D Engineer**   Böllhoff (via Davricourt), *Chambéry, FR*
Automotive Mechatronic Product design & development

11/16 - 09/19 **Automotive Design Engineer**   Renault (via Bertrandt), *Vélizy, FR*
Underbody & Engine Compartment Design & Architecture

Education - Certifications

09/22 - 08/23 **Bachelor Degree in Software Design & Development**   EPSI, *Lyon, FR*
RNCP Lvl.6 - Data/IA minor;   09/23: Government Skill Certification
- Development:
  Java, Python, Dart/Flutter, etc.
- Data, Databases, etc.
- Tests & CI/CD

06/22 - 08/22 **Web Developer Formation**   Epitech, *Paris, FR*
RNCP Lvl.5
- PHP, HTML, CSS, JavaScript, Vue.Js, Laravel, Bash, Git

09/13 - 08/16 **Master degree in Mechanical Systems Engineering**   UTT, *Troyes, FR*
RNCP Lvl.7; Environmental Design & Industrialization minor

09/11 - 06/13 **2-Year Degree in Mechanical Engineering**   IUT, *Troyes, FR*
RNCP Lvl.5
- Design, Functional dimensioning, enslavement and programming of a robot to take part in the Franch robotic cup.

Hobbies

- Outings:
  Hiking, Concerts, Motorcycle, Photo
- Music:
  Drums, Piano
- Travels:
  Sweden, Cambodia, Thaïland, Germany
- Reading:
  B.Werber, M.Chattam, F.Thilliez