

Yoann Chamillard

Full Stack Web & Mobile Developer Engineer

Software Engineer with a successful first experience. Always eager to learn and improve, I love to communicate and I am looking for new challenges!

Infos

Full driving licence A,B


Paris, France

International mobility

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LinkedIn 

GitHub 

French

English (C1,Bulats)

German (B1)



CAD / CAM

★★★★★ **Catia V5&V6**

★★★★★ **Creo 4.0**

★★★★★ **3D Printing**

PLM / PDM

★★★★★ **NewPDM**

★★★★★ **Windchill**

FEM / CAE

★★★★★ **Ansys Wbench**

★★★★★ **Abaqus**

★★★★★ **Hyperworks**

★★★★★ **Hypermesh**

Le 02/9/2024

IT-Skills

- **Mobile Development**
★★★★★ **Kotlin**
Room, Firebase, Gson, Jetpack Compose, Retrofit, MVVM, Coroutine
★★★★★ **Flutter**
★★★★★ **Android**
- **Web Development**
★★★★★ **HTML,CSS**
SCSS/SASS
★★★★★ **JavaScript**
Vue.js, Node.js
- **Authentication**
★★★★★ **JWT Auth**
★★★★★ **Firebase**
- **Back-end / Server**
★★★★★ **Python**
Flask, Django, FastAPI, SQLAlchemy, PyMongo, PyTest, Numpy, Uvicorn, Pydantic, Requests
★★★★★ **Node.js**
Express.js, Bcrypt
★★★★★ **Java**
★★★★★ **Nginx,Apache**
★★★★★ **Rest API**
OpenAPI standard
- **Devops, CI/CD**
★★★★★ **Git / GitLab**
★★★★★ **Docker**
★★★★★ **Jenkins**
★★★★★ **Selenium**
★★★★★ **Cron**
- **Databases**
★★★★★ **MySQL**
★★★★★ **PostgreSQL**
★★★★★ **MongoDB**
★★★★★ **SQLite**
★★★★★ **Firebase**
Storage, Firestore, Realtime
- **Data**
★★★★★ **Shiny**
★★★★★ **Pandas**
★★★★★ **Matplotlib**
★★★★★ **Jupyter**
- **Others**
★★★★★ **Bash**
★★★★★ **Jira**
★★★★★ **Regex**

Work Experience

04/24 - Today **Web & mobile developer**

[Training and job hunting, Paris, FR](#)

Training and personal projects in : Kotlin, Python, Javascript

- Android 14 and Kotlin development masterclass.
- Kotlin apps: quiz app, drawing app, note-taking app, weather app, chat app (whatsapp-like with notifications), Uber clone app
- Python apps: flexible multilingual LaTeX resume generator based on the JSON Resume standard
- Javascript apps: CRM web app to assist me in my job hunting and applications management + job boards scraping to have all job postings and manage them and my applications in one place.
- Build a home server to backup my data with redundancy (raid) + deploy and expose apps and services

10/22 - 03/24 **Web & mobile developer**

[Synapsun, Lyon, FR](#)

Full stack web & Android mobile developments: Flutter, Python

- 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, Chambéry, FR](#)

Automotive Mechatronic Product design & development

- Products and Process/Trials related products design (geometry, CAD/CAE, dimensioning, optimization, interfaces): Sensors, Preconstraint screwed assemblies, Body-fixed elements (tank, roofbox,...), Automotive suspension/Ground liaison elements (McPherson, Flexible, Blade,...), Custom Machines (glueing, pneumatic prehension/command)
- Technical drawing, Functional dimensioning, Chains of dimensions (Arithmetic, Quadratic)
- Ensure plays with environment (architectural, thermal, ...)
- Ensure mountability, positioning and fixation of parts with assembly means
- Writing trial and validation procedures: Lab, Sub-system, System, Flexion and Tensile trials.
- Taguchi/Design-Of-Experiments : Definition, Analysis
- Extensometry, Acquisition: check mechanical resistance and concordance with CAE simulations with strain gauges (HBM)
- Plasturgy : Water/Dust proof casing design
- 3D Prototyping: FDM 3D printing, Supplier Contact for other prototype parts
- Take part in design review meetings : progress and problems sharing, action plan definition and realization.

11/16 - 09/19 **Automotive Design Engineer**

[Renault, Vélizy, FR](#)

Underbody & Engine Compartment Design & Architecture

- Product definition (Geometry, Interfaces): All kind of part in designated architecture area.
- Ensure plays with environment (Archi, Thermal,...) with fixed or moving parts
- Ensure mountability, positioning and fixation of parts with manual or automatic means
- Technical Drawing, Functional dimensioning, Chains of dimensions (Arithmetic, Quadratic)
- Design convergence management
- Team management (Management of French and off-site designers)
- Organize and lead design review meetings, problem presentations, action plan definition and application.

Education - Certifications

09/22 - 08/23 **Bachelor Degree in Software Design & Development**

[EPSEI, Lyon, FR](#)

RNCP Lvl.6 - Data/IA minor; 09/23: Government Skill Certification

- Dev: Java, Python, Dart/Flutter,...
- Data, Databases, etc.
- AI: Keras, Tensorflow
- Tests & CI/CD: Jenkins, GitLab

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 French robotic cup.