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

+33 670525552
yoann.chamillard@gmail.com

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** EPSI, *Lyon, FR*

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

- Dev: Java, Python, Dart/Flutter,...
- AI: Keras, Tensorflow
- Data, Databases, etc.
- 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 Franch robotic cup.