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Alexis LAFRANCE

Fullstack web developer

Portfolio: alexis-lafrance.com
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Passionate about web development and data science, I had the opportunity to live in Montreal for two years in a multicultural environment and working as a fullstack web developer. Graduated from 42 School, I later choose to specialize in Python and React to combine both of my passions.

COMPÉTENCES

Frontend & Design	React, Redux, Next.js, Tailwind, Vitest, Jest, Typescript, Vue.js, Figma
Backend & Data	FastAPI, Django, Node.js, Nest.js, Ruby On Rails, GraphQL, Postman, PostgreSQL, MongoDB
DevOps	Docker, AWS, Kubernetes (débutant), GitHub Actions, CI/CD
Machine Learning	Python, Pandas, Numpy, Matplotlib, Scikit-learn, Keras, LaTeX
Language	French (native), English (fluent), Japanese (Beginner, N4 contest in progress)
Qualities	Autonomy, Self-taught, Curiosity, Rigor, Team spirit

EXPÉRIENCES

Fullstack web developer | Affordance 04-2023 / 10-2024
MongoDB, AWS, Docker, GraphQL, Postman, Vue.js, Tailwind, Typescript, Figma, Ruby On Rails Montréal (CDI)

- Maintaining and improving a **Ruby On Rails RESTful API** connected to a **Mongodb** database, in a multi-site environment managing **+10** platforms.
- **Lead fullstack developer** (solo) on a gamified **educational** web application developed in WebGL, **Typescript**. Project delivered in **+7-8 months** used by students from Toronto to discover the basics of sociology, anthropology, and psychology in a playful way.
- **R&D** and realization of a **comparative benchmark** on the integration of **AI models** (generative, OCR, NLP) and **video game engines for the web** (Unity, Unreal, Godot, Phaser, etc...) to optimize development.
- Development of a web prototype in **Vue.js, Tailwind and Firebase** so that all teams in the open space (**+7-8 companies**) can communicate and help each other between services.

Fullstack web developer | Edgenda 11-2022 / 04-2023
React, Redux, Tailwind, Typescript, Figma, AWS, AWS S3, AWS Cognito, AWS API Gateway, AWS Lambda Montréal (CDI)

- Design and development of an **Edtech platform** using **AI code analysis**, code review and questionnaire aimed at improving the **skills of any developer**.
- **UX/UI** design on **Figma** and frontend development with **React** and **Redux**, integrating an interactive dashboard, with recommendations, dynamic graphs via **Chart.js** and assessment questionnaires.
- Creation of the **RESTful API** with **AWS API Gateway, AWS Lambda, AWS S3** and **AWS Cognito** for user management and platform scalability.

FORMATIONS

Master in Computer Science | 42 School Paris 07-2020 / 04-2025
Web (Vue.js, Nuxt, Node.js, PostgreSQL), Machine Learning (Python, Pandas, Numpy, Matplotlib, Scikit-Learn, Keras), Low Level (C, C++, Rust), Devops (Docker, Kubernetes)

- Completed more than **30 projects**, often in groups, including solid foundations in programming in C, C++, Docker and a **specialization in web development and data science**.
- Created complete projects such as a **clone of Instagram/Tinder**, **Tetris** multiplayer, **Pong** with chat, implementation from **scratch** of the **lib** in C, a web server **Nginx** in C++ and models such as **linear regression, logistic regression, neural network, CNN** in Python.

Bac+2 Web Development | OpenClassrooms, Lyon 10-2019/05-2020

PROJETS

Evolution of the French coast : alafrance.github.io/littoral-francais *React, Figma, Python, Sklearn, Fastapi, PostgreSQL*

- Challenge **data.gouv.fr** on climate: analysis of the evolution of the French coast via open data from Météo France (**csv**) and **data.gouv.fr (Postgresql)**.
- Interactive web application: API **Fastapi** with ML (**sklearn**), frontend **React + D3.js** (graph), design on **Figma**.

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React, Next, Tailwind, Figma, Django

NAS: Home server (streaming, photos cloud, and web)

Raspberry pi, Docker, Docker Compose, CloudFlare, OVH, Ubuntu