Aldric de Jacquelin

aldej@live.fr | +33 780 442 338 | LinkedIn: aldric-jdbs | Portfolio: github.com/TheSpawnal

Software Engineer

EXPERIENCES

PAWY.CH :FRESHLY MADE 100% NATURAL PET FOOD | Software Engineering Front-end
June 2022 – Sep 2023 | part-time | Geneva, Switzerland | hybrid

- Improved user satisfaction for a pet food delivery platform by modernizing and optimizing UI/UX with ReactJs and VueJs.
- Collaborated with a team to seamlessly integrate and manage various APIs and services, including Zapier, Wix, Chargebee, and Stripe, enhancing operational efficiency.
- While improving the platform, the customer base from went to an initial of 3,000 monthly regulars to over 8,000, marking a significant uptick in sales and solidifying the platform's market position.

RUMBLE, ZERO-CARBON & ENVIRONMENTALLY FITNESS STUDIO | Full-stack Developer
October 2020 – august 2021 | part-time | London, England | remote

- Created and edited engaging video content to enhance user experience, focusing on sequence training movements and promoting a dynamic and interactive app interface, contributing to a significant increase in user engagement.
- Developed and optimized front-end components to improve user interaction, ensuring seamless integration of personalized training schedules and automated workout plans, resulting in a 30% increase in subscriptions, adding over 500 new members during and after the project.
- Collaborated closely with the design and development teams to implement innovative features and user-friendly navigation, aligning with the brand's eco-conscious ethics and enhancing the overall user satisfaction.
- Integrated a back-end service using Java to handle real-time user data processing and synchronization across devices, ensuring consistent and efficient delivery of personalized workout plans and tracking, leading to improved performance and user retention.
- Technical Skills and Tools: JavaScript, HTML5, CSS3, React.js, RESTfulAPIs, Adobe Premiere Pro, Python, Java.

MIXBUFFET, AGRI-FOOD INDUSTRY | Technician Assistant
Mars 2019 – Aug 2020 | full-time | Guer Morbihan, France

- Accomplished technical support, as measured by decreased equipment downtime, by conducting thorough troubleshooting and maintenance of production equipment. Ensured optimal functionality and minimized disruptions on production lines.

MALAHOME | Volunteering
June 2013 – September 2013 | March 2016 – August 2016 | Kathmandu, Nepal/ Barcelona, Spain

- Contributed to the construction and development of orphanages, providing a safe and educational environment for children born in jail.
- Advised on and implemented local technology solutions to enhance operational efficiency and support educational activities within the orphanages and other and other logistics infrastructure.

EDUCATIONS

VRIJE UNIVERSITEIT | BSc Computer Science minor Data Sciences
September 2020 - December 2024 | Faculty of Sciences | Amsterdam

- Object-Oriented and Functional Programming.
- Advanced coursework in Operating Systems and Computer Architecture.
- Engaged in extensive Data Retrieval/Mining ,Machine Learning and AI projects.
- Developed skills in Web deployment and development and computer networks, advanced Telemetry.
- Knowledge of Agile, Scrum and DevOps strategies.

LE WAGON | Data Engineering boot-camp
August 2018 - January 2019 | Paris, France

- Comprehensive training in advanced big data technologies, with a focus on real-time data processing and infrastructure architecture.
- Intensive training in big data technologies, including real-time data processing and infrastructure design.

- Hands on experience with cutting edge data engineering tools(Spark, Kafka) and platforms(kubertenes, docker,...).

EESAB | BSc industrial and product design
September 2014 - May 2018 | Brest, France
- Developed expertise in product lifecycle from concept to design and manufacturing.
- Employed various modern design methodologies to create innovative product solutions.

PROJECTS

STOCK PRICE PREDICTION METHODS | AI / Machine Learning
February 2024 – Present | Amsterdam
- Aimed to compare approaches to stock price predic- tion by integrating Long Short-Term Memory (LSTM) networks with various extensions, including K-means clustering, stacked LSTMs, Convolutional Neural Networks, and Bidirectional LSTMs, to enhance predictive accuracy and model robustness.
- Tools/platforms/frameworks used: WSL2, CUDA, tensorflow, conda libraires, keras, Numpy, Scipy, LaTeX, MS-DB

DISTRIBUTED COMPUTING WITH CLUSTER OF ARM DEVICES | Parallel Computing, Telemetry & Distributed Systems
March 2021 – April 2021 | Amsterdam
- Developed a robust distributed server environment by creating a cluster of ARM devices. By leveraging parallelism, the cluster was configured to run a headless GNU/Linux OS, facilitating efficient resource management. The setup included secure server hosting through SSH tunneling, enabling remote access and control of the computing nodes.
- Tools/platforms/frameworks used: Arch Linux, Kubernetes, Prometheus, Wireshark, Grafana, wsl2, Git, Nginx,

LANGUAGES

PROGRAMMING
Proficient:
• C/C++ • Shell• Python3 • SQL • LaTeX• Scala • Spark
Familiar:
• RUST • PHP • JavaScript • CUDA • Assembly • Go • Ruby • C# • TypeScript

SPOKEN & WRITTEN
Native fluency:
English, French