

ALEXIS HECFEUILLE

Full Stack Developer

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Skills

Languages: TypeScript, JS, C#, SQL, Python, Solidity

Developer Tools: VS Code, Git, Docker, Postman

Technologies/Frameworks: Angular, Node, React, PostgreSQL, MongoDB, Web3, Unity

Experience

Ariane

Full Stack Developer

Jan 2022 – Today

Paris, France

Ariane develops end-to-end web3 solutions for brands, primarily non-fungible token (NFT) solutions.

- Developed a system to claim Ariane's NFTs *en masse* on both the front-end (Angular) and the back-end (Node/Express/MongoDB) to meet the needs of a near-simultaneous claim of 20,000 people (stadium).
- Designed and implemented both application sides of an NFT exchange platform for Ariane NFTs using Angular, Node, TypeScript, MongoDB, GCP and Solidity. Responsible for the testing strategies and production launch.
- Improved the spkz.io (*an open-source web3 chat app initiated by Ariane*) lounge creation workflow by developing a lounge validator and various strategies (plus tests) to be used by lounges.

Hologame

Technical Cofounder

Sep 2018 – Dec 2021

Tourcoing, France

Co-founded hologame while studying computer science at the University of Lille. Hologame designs and sells a turnkey free-roam virtual reality arena concept to location-based-entertainment.

- Built the free-roam multiplayer VR shooter for standalone VR headsets using Unity / C#
 - * Optimized to run smoothly with up to 8 players and 40+ NPCs simultaneously
 - * Playable on a physical area of 300+ square meters and a virtual area of 1+ square kilometer
- Developed the authentication web application for end users with React and CodeIgniter
- Conceived the management application using C# and Windows Forms, used by our customers to launch and monitor the game sessions
 - * Reduces logistical burden by automating player-headset association and tracking the setup state of each player
- Created an internal web application to analyze business and operational data using React/CodeIgniter/MySQL
- Implemented a REST API in PHP to enable communication between elements of the solution

Education

University of Lille

Master of Science in Computer Science

Magna cum laude

Sep 2019 – Sep 2021

Lille, France

University of Lille

Bachelor of Science in Computer Science

Cum laude

Sep 2016 – Jun 2019

Lille, France

Languages

French: native **English:** fluent **Spanish:** notions