



David Ammeraal

senior front end engineer



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Summary

A front end engineer with 9+ years of proven experience designing and implementing web-based applications. Broad experience in all levels of web development across multiple programming languages working in multidisciplinary teams, specializing in JavaScript/TypeScript. Eager to learn, and up to date with cutting-edge JavaScript technology.

Able to translate specifications into well-tested, high-quality code. A strong communicator, with an assertive mindset and a strong team spirit.

Education

2007 **HBO Informatica / Bachelor of ICT**
2012 University of applied sciences, Utrecht

Experience

Worked on a broad spectrum of projects, this is a shortlist of interesting projects.



2016
2021

MARIN - inSync



Media asset management platform used by Maritime Research Institute Wageningen (MARIN).

- Collaborated with data analysts and engineers to extract functional requirements.
- Implemented media asset pipeline for automating the integration and transcoding of media assets recorded during model tests.
- Implemented database/indexation/searching functionality.
- Implemented several front ends for searching / displaying media assets.
- Deployment on strict schedules.



Personal info

Location

Hilversum,
The Netherlands

Date of birth

14-08-1987

Nationality

Dutch



Tech skills

Languages

JavaScript



TypeScript



HTML/CSS



Java



PHP



Frameworks/platforms

NodeJS



React



Redux



Gatsby



Angular





2016
now

MARIN - inSync stageplayer



Web app to synchronously display media (video/photo/ highspeed video) and high-frequency measurement data recorded during model tests with infinitesimal tolerances (accurate up to 1 microsecond).

- Designed and implemented application in React/ Redux.
- Co-designed and implemented algorithm for interpolation of high-frequency Big Data (192 khz HDF5's over several hours) while maintaining peaks to reduce network traffic.
- Implemented accurate video/data synchronisation functionalities.
- Implemented offline wrapper in Electron for clients with strict security requirements.
- Deployment on strict schedules in several environments (intranet, client portal, offline).



2018
now

QANDR



Web app to dynamically poll groups/audiences and visualize opinions.

- Collaborated and brainstormed during product inception.
- Designed and implemented responsive product website.
- Implemented several data visualizations in D3.



2012
2016

EUscreen



Web portal offering free online access to thousands of audiovisual heritage items.

- Collaborated in a multidisciplinary team consisting of archivers and UX designers.
- Implemented a responsive front end.
- Designed and implemented search functionality.
- Developed myEUscreen, a web app to collaboratively create virtual exhibitions.

Tools

GitHub



Bundlers



Unit testing



Docker



Amazon (AWS)



Data

NoSQL databases



SQL databases



REST API's



GraphQL



ElasticSearch



Interests

Computer technology,
Cooking/food,
Small scale biological
farming