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 apps. Broad experience in all levels of web engineering across multiple programming languages, 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 2012

HBO Informatica / Bachelor of ICT
University of applied sciences, Utrecht

Employers

2012 2021

Noterik B.V. - Amsterdam
Lead front end engineer

Experience

This is a shortlist of projects I have worked on

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.
- Delivered and deployed 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.
- Delivered on strict schedules in several environments (intranet, client portal, offline).

2018
now

QANDR

Collaborative presentation app used by I&O research, Municipalities of Utrecht/Amsterdam and others to dynamically poll groups/audiences and visualize opinions.

- Part of creative team that came up with product concept.
- Designed and implemented product website using Gatsby.
- Created CI/CD pipeline using Github actions/AWS.
- Implemented several data visualizations in D3.
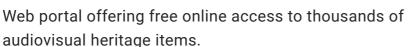- Implemented WebSocket connectivity between front end and Java backend.

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

Testing

CI/CD

Docker

Amazon (AWS)

Data

NoSQL databases
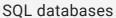
SQL databases

REST API's

GraphQL

ElasticSearch

Interests

Computer technology,
Cooking/food,
Small scale biological farming