Jonas Grøndahl Petersen
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Experience:

Full-Stack Developer, Wexer **December 2016 – Present**

Developed user interfaces for multiple web apps, websites and mobile apps using JavaScript and mainly React as the frontend framework. Created a complete Node Express server to empower all services - a REST api for communication with a MySQL database, Mongo database, email jobs, authentication, cron jobs, payment with Stripe etc. Setup server infrastructure and serverless functions on popular services like AWS.

Front-End Developer at FieldSense **May 2018 – May 2019**

Worked on the frontend of the main web app at FieldSense. The app was a React app using Redux as state management library. Developed many UI additions, user experience improvements, performance improvements and refactoring of code. Developed an internal tool for observation of live data from weather stations.

Technical skills and tools:

JavaScript, HTML, CSS, React, Node.js, Express.js, MySQL, MongoDB, Service workers, Mobile and responsive design, PWA, React Native, Git, ESlint, Headless Chrome, WebSockets, AWS, PHP

Projects:

Second hand goods price comparison app **2019-05**

Built a web scraper in Node.js that would scrape a list of JavaScript generated websites including Facebook Marketplace and made it available through a REST API. Built a React frontend that would present the data in a neat yet simple web app. Published the site on a .DK domain for everyone to use.

Complete redesign of the UI of the main product **2019-03**

Built an app written in JavaScript using React for a Windows touch screen device. The app allowed the user to select, filter, search and play videos, browse sliders, view collections, check an attached schedule and more. Built a Node server to handle all interactions with the OS, files and API requests. Implemented WebSockets to deal with the data flow between the front- and backend. It also had options for numpad control, i18n, different skins options and offline compatibility.

Synchronized video playback and dynamic UI on a Raspberry Pi **2018-10**

Built an app in JavaScript that was able to play videos in synchronization with other Raspberry Pi devices and also show some UI to let users know when the next video was scheduled to play, current status and more. The Node app was in charge of playing videos by utilizing the native OMXplayer and updating the UI by sending messages back and forth using WebSockets.

Education:

University of Southern Denmark, Computer Science, May 2016