Arthur Zherka

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Full-stack Developer with 7 years of experience. A result-oriented professional, following best practices to produce optimal solutions, great team player, interested in the development of PWA and architecture for change.

Technologies

- JavaScript, TypeScript
- React, React Native, Redux Thunk, Redux Saga, Webpack
- Node.js, Express, GraphQL

- MongoDB, Redis
- AWS, Firebase

Experience

Senior Frontend Developer   **Suno, Inc**   **Sep 2022 – Apr 2023**

Software for the Savvy Audiologist

- Developed the website for audiology clinics across USA that allows you to make an appointment with doctors via the built-in event calendar (Typescript, React, Redux Toolkit, React Scheduler)
- Implemented SOAP note creation and editing with voice input, automatic creation of pdf reports (Lexical, microphone-stream, jsPDF)
- Developed a chat with infinite scrolling (WebSocket API)
- Developed interactive graphs, forms with draggable elements (chart.js, react-draggable, react-dnd)
- Developed a large number of components (100+) in a tight schedule
- Test coverage of each component and each feature (Cypress)

Frontend Developer   **Lesido (contract with CodeControl)**   **June 2021 – Today**

app.lesido.de - The digital picture book library with interactive video chat

The React Native application can be found on the German App Store by searching for "Lesido"

- Developed the website and React Native application for interactive book reading using modern technologies (Typescript, Hooks, SWR, Recoil)
- Implemented audio and video capabilities for the web and mobile application. (The Amazon Chime SDK)
- Implemented synchronisation of cursor, book pages, routing during a call between users (WebSocket API)
- Implemented a subscription system with a trial periods and discount coupons (Stripe)
- Developed Book Reader with lazy loading pages (react-pdf, react-window)
- Implemented a notification system using Firebase Cloud Messaging (FCM)
- Implemented analytics tools for capturing user events (PostHog, GTM)

Full-stack Developer   **Fractal**   **Sep 2020 – October 2021**

Fractal - Accounting software

- Developed backend that interacted with the API of two trading platforms (EXANTE and BitMEX) finding suitable options for buying and selling instruments (GraphQL, Express)
- Led a small team (3 people) in the development of a web application to interact with the backend (GraphQL)
- Developed comparison table to show the best options for buying and selling instruments

Full-stack Developer   **Sportrecs (contract)**   **Mar 2020 – Sep 2020**

Sportrecs.com - Sports Broadcasting Services

- Developed backend (GraphQL, Express, Razzle)
- Implemented a broadcast monitoring system (FPS, bandwidth, speed) with interactive level-of-detail rendering of large graphs (Chart.js)
- Developed the mechanism of creating and validation of widgets for partner sites

Frontend Developer   **Maxiru (contract)**   **Oct 2016 – Feb 2020**

Virgin Voyages - Application to play media in cabin

- Rewrote the old frontend with a new, faster one using modern best practices and recent technologies (React, React Native)
- Implemented WebSockets in application for real-time dashboard updates
- Reduced project build time (more than 15 seconds) by reconfiguring Webpack

- Coordinated releases and the implementation of features
- Covered 80% of code with unit tests

Virgin Voyages - Application for online check-in, booking and just about everything smooth sailing
- Developed the application with a user-friendly UI (React Native, Redux Thunk, Webpack)
- Developed variety (50+) of responsive components
- Implemented biometric authentication, PIN code, document detection and photo editor
- Integrated wearable tech accessories (bracelets) via Bluetooth
- Developed CI/CD process for infrastructure (Jenkins)
- Developed animations (react-spring)

Maxiru - Map Editor project (web editor for vector graphics)
- Developed a web application for pathfinding and navigation on SVG map
- Developed UI components based on trigonometric formulas
- Achieved 80% code coverage for unit tests using Jest

Maxiru - Web simulator of an Unreal Engine 4 application
- Developed a real-time web app to display the simulated movement of the bots from Unreal Engine 4
- Designed and developed the core architecture of SPA based on client requirements (React, Redux Thunk, Immutable.js)
- Developed a web dashboard with editable spreadsheets and auto save

DeepVideo - Service for video that helps viewers to identify products
- Developed SPA (Angular 2 and D3.js) with responsive UI and interactive graphs (zoomable bar chart)
- Developed with Angular 2 editable spreadsheets with auto save, sorting, filters and search with autocomplete

Woo Club - Shoppable video platform project
- Developed a new variety (20+) of responsive, accessible and localizable UI components with Vue.js
- Integrated a 3rd party YouTube API with for the ability to add tags to on videos to display the products that appear in them

Web Developer   **Freelance**   **Jun 2015 – Sep 2016**
- Developed 8 responsive landing pages (HTML, CSS, Javascript, Gulp)
- Cleaned up variety (10+) of hacked Wordpress sites (malware, spam, access recovery)

Education

Bachelor's degree in Business Economics and Management, Polessky State University   **Sep 2013 – Jul 2017**