

PROFILE

A professional with a combination of technical experience and analytical skills, bringing to the table the ability to combine problem analysis with its solution.

Experienced in building responsive, large scale, high-availability websites (20m+ page views per day, 60m+ unique visitors a month) and web services (20k+ requests per second) using React, TypeScript, RxJS, Redux, Redux Observable, OpenFin, PHP, MySQL, AWS, Azure among other technologies.

WORK EXPERIENCE

ADELANTE *Aug 2021 - Apr 2022*

React developer (contract)

Designing, architecting and building the Bank Reconciliation module of SmartPay (Adelante's income management system used by local UK governments and councils).

Application is developed using React and TypeScript and consumes REST APIs. User interface consists of custom components that are designed to integrate into the existing suite of SmartPay applications (including several highly complex ones like virtualised tables with resizable columns and persistable configuration). UI is responsive and supports displaying hundreds of thousands of transactions at once without degrading user experience.

[React](#), [RxJS](#), [Redux](#), [Redux Observable](#), [Styled Components](#), [Git](#)

ENSUREX *Mar 2021 - Jun 2021*

React developer (contract)

Designing, architecting and building a web application to act as a frontend to a blockchain-backed API used to manage loans and insurance policies by several major Canadian banks and insurers.

Project is a single page application built using React and TypeScript. UI is developed using a library of custom components specifically designed for the project. Application includes a dedicated preferences page allowing users to change the theme (light or dark), choose a locale that is used to display numbers, currencies and dates throughout the application as well as pick a display language. User authentication is performed against Azure Active Directory and is implemented with the help of Microsoft Authentication Library (MSAL).

Additionally, the project also includes a Node.js mock server built using Express and exposing REST endpoints equivalent to those of the production services to allow for rapid development of new features.

[React](#), [RxJS](#), [Redux](#), [Redux Observable](#), [Jest](#), [Styled Components](#), [MSAL](#), [Azure AD](#), [Git](#)

FATHOM *Aug 2020 - Mar 2021*

React developer (contract)

Building a real-time municipal bond trading dashboard for MarketAxess Holdings Inc. - a U.S. based, international financial technology company that operates an electronic trading platform for the institutional credit markets.

Project consists of the main client application written using React, Redux, RxJS, ag-grid and a custom component library based on Material UI as well as a Node.js mock server simulating exact behaviour of live services that the application consumes on live environments. Server exposes both, WebSocket endpoints through SockJS (using STOMP as the messaging protocol) as well as several REST endpoints implemented using Express.js.

[React](#), [RxJS](#), [SockJS](#), [Redux](#), [Redux Observable](#), [Jest](#), [STOMP](#), [Styled Components](#), [Chart.js](#), [Git](#), [WebSocket](#)

ADAPTIVE FINANCIAL CONSULTING *Jul 2018 - Dec 2019*

React developer (contract)

Leading a team developing a real-time financial multiplatform application using React, TypeScript, OpenFin and websockets. The product is a unique alerts-based suite of decision support, relationship management and analytics tools that integrates key applications and data into a single workflow solution.

Main application features:

- Can be deployed as a windowed desktop application (using OpenFin) or used inside a browser.

- Data across OpenFin windows is synchronised using Channel API by sending and receiving Redux actions in a unidirectional or bidirectional way ensuring that qualifying windows always display the most up-to-date information.
- Data is consumed in real time through websockets and large number of updates can be handled simultaneously without blocking user interface.
- Custom built component library allows tweaking application's appearance, colours and branding for each individual client using themes.

[React](#), [TypeScript](#), [RxJS](#), [SockJS](#), [Redux](#), [Redux Observable](#), [Jest](#), [OpenFin](#), [Styled Components](#), [Highcharts](#), [Git](#), [WebSocket](#)

LINKLATERS NAKHODA *May 2018 - Jul 2018*

React developer (contract)

Participated in developing a suite of online tools as well as modernising and unifying several legacy applications to be later made available as part of ISDA Create – a new platform for International Swaps and Derivatives Association that provides the means for firms to automate the creation and delivery of initial margin documentation as well as negotiate and execute said documentation with multiple counterparties simultaneously.

[React](#), [MobX](#), [Jest](#), [Enzyme](#), [Git](#)

NBCUNIVERSAL *Feb 2017 - May 2018*

React developer (contract)

Developed initial microservice architecture to support functionality of NBCUniversal's upcoming digital movie gifting service Unwrap, including authentication, studio title data ingestion, payment processing, voucher code redemption and more.

Soon thereafter tasked with developing a bespoke content management system using React to manage data used by the services, functionality of which includes but is not limited to:

- Editing studio title details (base metadata, assets, trailers, cast, genres, voucher codes, etc.).
- Managing gifting related website assets and data (wrapping papers, occasions, collections).
- Building content and module pages (to be dynamically rendered on the client website).

Core technologies used in building the application include React 16, Redux, Redux-Saga and TypeScript. Application supports role-based access control (RBAC), consists of a plethora of custom components and has been developed working closely with a designer and a UX specialist.

[React](#), [Redux](#), [Redux-Saga](#), [TypeScript](#), [Jest](#), [Enzyme](#), [PHP 7](#), [Symfony 3](#), [Doctrine 2](#), [Docker](#), [MySQL](#), [AWS Gateway](#), [AWS Cognito](#), [AWS DynamoDB](#), [AWS ECS](#), [AWS SQS](#), [Git](#), [Cloudinary](#), [Braintree](#), [Sky](#), [Amazon](#), [Google](#)

Remaining positions have been omitted for brevity and are available at <https://andr.is>.

EDUCATION **TRANSPORT AND TELECOMMUNICATION INSTITUTE** *2002 – 2004*

Computer Sciences

UNIVERSITY OF LATVIA, FACULTY OF MODERN LANGUAGES *1999 – 2002*

English and German

COURSES **MONGODB ONLINE UNIVERSITY**

MongoDB

- M101P: MongoDB for Developers *APR 2014 - JUN 2014*
- M102: MongoDB for DBAs *JUL 2014 - SEP 2014*
- M202: Advanced Deployment and Operations *OCT 2014 - NOV 2014*