



# LUDOVICO FORACE

Senior Software Engineer  
(Fullstack / Frontend Lead)

📍 London Area

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## Commercial Stack

### PROGRAMMING LANGUAGES

TYPESCRIPT (since Jul 2016)

JAVASCRIPT (since Sep 2015)

CLOJURE (since Jul 2018)

BASH (since Sep 2015)

### MARKUP

HTML/HTML5 (since Sep 2015)

MARKDOWN (since Apr 2017)

XHTML (since Sep 2015)

### LIBRARIES / FRAMEWORKS

REACT.JS (since Jul 2017)

REDUX (since Oct 2017)

REDUX TOOLKIT (since Sep 2021)

REDUX THUNK (since Oct 2017)

REDUX SAGA (since Nov 2020)

RACTIVE.JS (since Jul 2016)

KNOCKOUTJS (since Jul 2016)

ANGULARJS (since Jul 2018)

JQUERY (since Sep 2015)

### STYLE

STYLED COMPONENTS (since Oct 2017)

MATERIAL UI (since Jul 2018)

LESS (since Mar 2017)

SASS (since Jul 2018)

CSS/CSS3 (since Sep 2015)

STORYBOOK (since Jul 2018)

### RUNTIMES

NODE.JS (since Jul 2019)

## Profile

As a senior fullstack developer and frontend lead with 8+ years of experience, I develop agile software solutions for diverse industries. I adapt quickly to changing environments and have worked with both large companies and startups. My commercial experience in HealthTech, Scientific Research, Retail, Logistics, Civil Engineering, and Marketing industries gives me an extensive breadth of knowledge. I implement AWS-based solutions, Microservice Architecture using TypeScript, JavaScript, React, Node, Redux, Jest, React Testing Library, Styled Components and CSS preprocessors. I excel at testing and geospatial software development. I have experience working in DevOps environments and with continuous integration and deployment practices. My experience working within the checkout squad of the former biggest UK fashion retailer has given me a deep understanding of how technology can be used to improve and integrate the checkout process with payment systems such as Klarna, Visa, Mastercard, and American Express, and taught me the importance of monitoring e-commerce websites used by millions of users.

## Work History

- June 2023 - Present  
Senior Fullstack Developer (Permanent)  
Tympa Health Technologies LTD - Remote in United Kingdom
- Oct 2021 - Feb 2023  
Senior Software Engineer (Permanent)  
Hurdle (a Chronomics LTD company) - Remote in United Kingdom
- As a frontend lead, I drew the frontend standards and best practices at Hurdle using technology such as React, Redux Toolkit, and TypeScript. An example is my contribution to the company-wide introduction of *rtk-query* as an alternative to using *createAsyncThunk*, improving the efficiency and reliability of our data fetching across multiple applications. I was also part of the engineering interview board and working within cross-functional software development teams, which included DevOps and defining product requirements when needed.
- My work involved fullstack software development, including working on variety of squads at different times of my tenure (User, Supply and then Labs), utilising technology such as Node.js, AWS, and Serverless. I was responsible for creating and setting up repositories from scratch, such as the [Bio Catalogue](#), and utilised technology such as Datadog, ECS, DynamoDB, and MongoDB.
- In addition to my technical work, which also included unit and integration testing with Jest and containerization with Docker, I wrote documentation, made continuous tech proposals, and provided visual demonstrations and showcasing of my work.
- As part of my backend work, I worked extensively with AWS-based solutions and Microservices Architecture using Node.js, designing and implementing scalable and reliable backend systems that integrated seamlessly with the frontend while also working with databases such as DynamoDB and MongoDB.
- Nov 2020 - Sep 2021  
Software Developer (Permanent)  
Mott MacDonald LTD - Remote in United Kingdom
- During my time at Mott MacDonald, I gained extensive experience in geospatial software development, working on projects that involved using geospatial technology to collect, store, manipulate, and analyze geographic data. In particular, I developed software solutions on [Moata Geospatial](#) using cutting-edge technology such as TypeScript, React, Redux Toolkit, and Redux Saga.
- As part of my work, I used Jest and Enzyme to write comprehensive and effective unit and integration tests to ensure the highest levels of software quality. My primary focus was on working with ESRI ArcGIS, one of the most powerful mapping and analytics platforms on the market. My work at Mott MacDonald allowed me to develop solutions that addressed a wide range of business needs, such as creating mapping applications, analyzing location-based data, and making predictions based on geographic data.
- Jul 2019 - Aug 2020  
Software Engineer (Permanent)  
Arcadia Group LTD - On-site in Colegrave House
- While at Arcadia, I specialised in checkout and conversion rate software development and optimization. I was part of both the checkout and A/B testing squads, where I worked to maintain and optimize the checkout process and improve conversion rates. Additionally, I was retained during the pandemic outbreak as one of the few engineers left during the administration period, before the company assets were acquired by other companies in early 2021.

## CLOUD

AWS (since Jul 2019)

SERVERLESS (since Oct 2021)

ECS (since Oct 2021)

DATADOG (since Oct 2021)

## DATABASES

DYNAMODB (since Oct 2021)

MONGODB (since Oct 2021)

## VERSION CONTROL

GIT (since Jul 2016)

## PACKAGE MANAGERS

NPM (since Jul 2016)

## TESTING

JEST (since Oct 2017)

ENZYME (since Oct 2017)

CHAI (since Jul 2019)

CYPRESS (since Jul 2019)

WEBDRIVERIO (since Jul 2019)

JASMINE (since Oct 2017)

## A/B TESTING

QUBIT (since Jul 2019)

QUBIT REACT (since Jul 2019)

## GEOSPATIAL SOFTWARE

ESRI ARCGIS (since Nov 2020)

## TOOLS / OTHER SOFTWARE

JIRA (since Sep 2015)

CONFLUENCE (since Oct 2017)

BUDDY (since Oct 2021)

JENKINS (since Jul 2018)

AZURE DEVOPS (since Nov 2020)

WEBPACK (since Jul 2019)

ROLLUP (since Jul 2019)

GULP (since Jul 2016)

GITHUB (since Sep 2015)

BITBUCKET (since Nov 2017)

DOCKER (since Jul 2018)

INVISION (since Jul 2018)

ZEPLIN (since Jul 2019)

LINUX (since Sep 2015)

## BUSINESS LANGUAGES

GHERKINS (since Sep 2015)

As part of my role, I worked on products such as Topman, Topshop, [Wallis](#), [Dorothy Perkins](#), [Burton](#), [Evans](#) and Miss Selfridge. I utilised cutting-edge technology such as React, JavaScript, Redux, and Node.js to deliver high-quality software solutions that met the needs of the business and its customers. I also used Jest, Enzyme, and Cypress for testing, and Qubit and Qubit React for optimization.

As a key member of the checkout squad, I was also responsible for the constant monitoring of the e-commerce websites used by millions of users, ensuring their smooth operation and resolving any technical issues promptly to minimize disruptions to users.

Jul 2018 -  
Jul 2019

### Frontend Developer (Permanent)

Faculty of 1000 LTD - On-site in Fitzrovia

As a Frontend developer at F100, I worked on developing software solutions for two of the company's flagship products, F1000 Workspace (now [Sciwheel](#)) and F1000 Prime (now [Faculty Options](#)). My role involved collaborating with cross-functional teams to design and implement user-friendly interfaces and experiences that improved the productivity and efficiency of researchers and academics using the products.

To achieve this, I utilised my expertise in React, Angular, JavaScript, Redux, and Node.js to build responsive and scalable frontend systems that met the highest levels of quality and user satisfaction. I was responsible for implementing the latest frontend development best practices and standards, as well as for troubleshooting and debugging issues as they arose.

Overall, my time at F1000 allowed me to hone my skills as a Frontend Developer and to gain valuable experience in the development of software solutions for the academic and research communities. I am proud to have contributed to the success of both F1000 Workspace and F1000 Prime, and I am committed to leveraging my expertise to help drive the success of future software projects.

Jul 2016 -  
Apr 2018

### Frontend Developer (Permanent)

Norsk European Wholesale LTD - On-site in Berkshire

As the only Frontend Developer at Norsk, I was responsible for developing and leading the frontend development efforts for a range of products and projects. My work included developing white label software solutions, improving and extending the Norsk logistics portal, building marketing websites, and delivering high-quality frontend systems for various web applications.

I gained experience in working with TypeScript, KnockoutJS, Ractive.js, React, jQuery, Less, and Highcharts to build responsive and scalable frontend systems that met the highest levels of user satisfaction. As part of the marketing team, I was also responsible for mentoring the graphic designer, with which I worked closely to ensure that the design and branding visual standards were achieved.

During my time at Norsk, I worked on a range of products, including the Norsk logistics portal rebranding, the Norsk user website, and the Norsk Track and Trace Widget. I also developed frontend websites and widgets powered by Norsk.

Norsk served as the backbone of me becoming a software engineer. Having had the opportunity to be mentored by an incredibly skilled technical leader, for whom I will always be grateful, while also taking charge of frontend development, was an invaluable recipe for stepping up in my career. I was proud to play a role in the successful completion of a multitude of exciting projects and products which at the beginning seemed very challenging to me. Additionally, the focus on logistics enhanced my problem-solving skills and my strategic thinking abilities.

Sep 2015 -  
Apr 2016

### Web Developer (Permanent)

MarketOne International LLP - On-site in Chiswick

During my time at MarketOne, I was responsible for developing landing pages, web forms, and XHTML emails for various clients, including Sage, ServiceNow, and VMware. Working in an Agile environment and utilizing Kanban methodology, I collaborated closely with cross-functional teams to ensure timely delivery of high-quality marketing automation solutions using Eloqua.

Using my expertise in HTML, XHTML, CSS/CSS3, and JavaScript, I developed responsive, pixel perfect and visually appealing landing pages, email templates and web forms that met the clients' requirements and specifications. Additionally, I used jQuery to enhance user experience and ensure smooth and seamless interactions.

In addition to my technical skills, I was responsible for implementing marketing automation campaigns ensuring they were delivered on time.

My time at MarketOne allowed me to develop my skills as a Frontend Developer with a focus on responsive design and styling while complying with Litmus testing. Additionally, I gained experience in marketing automation management while contributing to the success of numerous clients.

## Spoken Languages

- English (Fluent)

Last CV Update: 09/Jan/2024

## Soft Skills and Methodologies

### Agile

I have a vast and extensive commercial experience using Agile methodologies since 2015. I have gained mastery in a wide range of Agile practices and tools, including Sprint Planning sessions and Refinements, where I was an active and important participant and where various techniques such as Planning Poker and Retrospectives were used.

I am skilled in working with both Scrum and Kanban frameworks, and have successfully implemented them in various projects. I am proficient in performing Code Review and Pair Programming to ensure code quality and knowledge sharing among team members. I am also experienced in using Version Control systems such as Bitbucket and Github to manage code repositories and facilitate code collaboration.

I am highly experienced in using project management tools such as Jira and Confluence on a daily basis to manage and track project progress, document requirements, and communicate with stakeholders. My proficiency in Agile methodologies and related tools enables me to work efficiently in fast-paced, collaborative environments and to consistently deliver high-quality results.

I have worked with short sprints of two weeks. During these sprints, I am skilled in breaking down large projects into smaller, manageable pieces and delivering high-quality work within tight deadlines. Additionally, I have experience in adapting to changing requirements and priorities throughout the sprint, ensuring that the team delivers value to the stakeholders at the end of each cycle.

### Mentoring

I am a skilled and experienced mentor for developers, with a passion for helping others grow and learn. With my strong communication and interpersonal skills, I can effectively guide and support developers at various levels of experience. I have a deep understanding of software development best practices and techniques, and can offer practical and actionable advice to help developers improve their skills. Whether working one-on-one or in group settings, I am committed to fostering a collaborative and supportive learning environment, where developers can thrive and reach their full potential.

### Test Driven Development (TDD)

I have experience with Test Driven Development (TDD), having successfully applied it in various projects. I am skilled in using a range of testing frameworks such as Jest, React Testing Library, Enzyme, and Cypress, and can develop comprehensive test suites to ensure the quality and reliability of software solutions.

### Communication

I can convey technical information to both technical and non-technical stakeholders. I have experience collaborating with cross-functional teams, and presenting technical solutions to stakeholders. I am adept at creating technical documentation, including requirements documents, design documents, and user guides. Additionally, I have experience working with distributed teams and am comfortable communicating through various channels, such as email, chat, and video conferencing.

### Spike Development

I have extensive experience in Spike Development. I have successfully employed this technique to explore different solutions, identify potential problems, and assess the feasibility of new technologies. With a strong understanding of Agile methodologies and a focus on delivering high-quality code, I am able to quickly iterate and pivot as needed. Additionally, I am well-versed in using a variety of tools and technologies to support Spike Development, including rapid prototyping frameworks, testing frameworks, and code analysis tools.

### Software Design

I am skilled in software design and have a deep understanding of architectural patterns and principles. I can analyze and identify the best approaches and am passionate about delivering innovative software solutions that not only meet business needs but also exceed their expectations. I am proficient in ensuring that software solutions adhere to SOLID principles. I have also used architectural diagrams and documentation tools such as Draw.io to communicate the design to stakeholders.

### Domain Driven Design (DDD)

I have experience with Domain Driven Design (DDD), understanding of bounded contexts, aggregates, entities, value objects, and repositories. I have successfully applied these concepts in frontend solutions for various web applications, with a focus on maintaining a clear separation of concerns and a consistent and cohesive user experience.

## Education

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- 2013 City University London
- CS2604 Advanced Web Interfaces with CSS3 and HTML5
  - CS1559 Web Programming using PHP
- 2005 Diploma di Ragioniere e Perito Commerciale  
Istituto Tecnico Commerciale Eugenio Montale