# Ben Gladman

### ben.gladman@gmail.com London, UK

August 2021 → Present (Contract)

#### Standard Bots • Full Stack Developer

```
React THREE.js react-three-fiber Docker TypeScript Node.js PostgreSQL FeathersJS Next.js WebRTC GitHub Actions
```

Developing the control systems and programming environment for a robot arm used for industrial automation.

- Visualization using Three.js to visualize the state of the robot arm.
- Simulation implementing hardware and communication simulations of the robot arm and linked devices in Node to use in testing and development.
- Routine Editor creating an approachable interface for less technical users to program the robot.
- Migration to self-hosted migrated away from Firebase to a fully self-hosted solution using PostgreSQL and FeathersJS.

**April 2021 → July 2021** 

## **Deutsche Bank • Front End Developer**

Electron TypeScript

Worked on the Product Pricing application in the Quantitative Analysis team.

May 2020 → April 2021 (Contract)

## **HSBC** • Front End Developer

 Electron
 JavaScript
 TypeScript
 RxJS
 WebdriverIO
 CSS Modules
 Storybook

 TeamCity

Front end development in the core team for the trading and risk platform used by several lines of business within the bank.

- New Application Shell rewrite of the layout engine and service adapters from an older framework into React and RxJS, to improve maintainability. The shell is highly configurable, allowing the user to add, remove and rearrange tens of components across multiple tabs and nested layouts in an intuitive way.
- Modernising the codebase by introducing Jest, Storybook, TypeScript and CSS Modules, and carrying out a complex upgrade of WebdriverlO.
- Theming added theming capability on top of extensive existing CSS, using CSS custom properties.

June 2018 → March 2020

### Adaptive Financial Consulting - Front End Developer

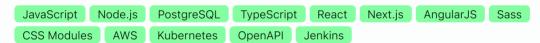
TypeScript React Redux redux-observable RxJS Selenium Cypress styled-components Emotion Storybook Jenkins

Front end development on highly dynamic and interactive financial web applications.

- FX orders module integrating into the trading platform at a tier 1 investment bank. Working
  on client site in a mixed product development team of consultants and direct employees.
   Components included the order blotter and single and multileg order tickets with live ticking
  prices and fills. The tickets need to update efficiently so that the application can show up to
  25 simultaneously.
- Cryptocurrency exchange web client for private and institutional investors. Responsive design usable on desktop and mobile devices. With chart, order blotter, trade feed, order book and order ticket. The trade feed and order book were designed to cope with 100ms update frequency.
- Basket trading application for a tier 1 investment bank, with unlimited scrolling workspace and blotter with expandable nested rows, ticking prices and fills.

#### September 2016 → June 2018

#### Trussle - Full Stack Developer

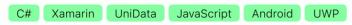


Full stack development of customer facing and back office software in a startup online mortgage brokerage. I introduced TypeScript, Webpack, React and Swagger into the development stack.

- Customer Website developed a new on-boarding application using Next.js and implemented OAuth 2 sign-in using Passport.js.
- AWS Lambda process to match 1,000s of customer details with 10,000s of remortgage deals.
- Back Office System started the shift from server rendered views to using React to allow more complex UI and implemented client side Typescript.
- Back End migrated the database from MongoDB to PostgreSQL and implemented a reporting schema.

#### September 2005 → August 2016

## **CACI** - Team Leader, Software Engineer



Full stack development of software for both internal and external clients in a range of business sectors.

- *Mobile app* an app for Android and Windows Phone for time recording and work calendar.
- Web UI an ERP application with staff planning, project planning, payroll and accounting modules.
- Leading a team of 8 engineers.

December 1996 → September 2005

### **TCO - Software Engineer**

UniData JavaScript

Requirements analysis, design, engineering and support of database applications for a wide range of business needs.

- Workflow engine highly configurable integrated workflow used in many business areas (invoice registration, inspection management, social care), allowing direct links to forms across the software.
- Rostering and staff planning graphical an intuitive application to allocate work to staff and monitor in real time. Used by our customers to plan thousands of care workers.

## **Education**

1995 → 1996

## **University of Birmingham • MSc Cognitive Science**

(Distinction)

Spent middle term at University of Padua, Italy, where I designed and carried out a psychology experiment.

1992 → 1995

## University of Reading BA (Hons) Philosophy

(2:1)

One term spent at Leiden University, Netherlands. Received a 1st for my final dissertation on the Philosophy of Science.