

JOB DESCRIPTION

Software Developer – Front End, Technology

CONTEXT

Everyone TV runs the UK's free-to-view TV platforms – Freeview, Freesat, and now Freely.

Freeview is the UK's largest TV platform, watched in over 15 million homes. Freeview Play, our live and on demand TV service, is used on five million devices. Freesat serves 1 million homes carrying over 170 channels and offering linear TV over satellite and on demand content over the internet.

We're also leading free TV's evolution for a streaming age through the creation of our new Freely service which launched on smart TVs in 2024, bringing aggregated live channels and free on-demand content to UK viewers over the internet for the first time.

Everyone TV is a joint venture which is owned and supported by the UK's leading public service broadcasters (PSBs) - BBC, ITV, Channel 4 and Channel 5. We are not-for-profit and funded directly by our Members, and revenues from a range of commercial activities.

Our mission is to champion free TV for all. We're passionate about bringing together great TV in one place, for free, for the nation. Working in partnership with the PSBs and many other industry players, we are focused on offering the best free TV experience to UK viewers across terrestrial TV, satellite TV and increasingly internet TV, ensuring that free TV – with public service broadcasting at its heart – remains as strong and vibrant in the future as it has been to date.

THE WAY WE WORK

Ambitious – We aim high. We are determined and ambitious about our work, always delivering the very best for our viewers.

Collaborative – We achieve together. We create strong partnerships based on trust and respect.

Supportive – We grow together. We learn from each other, and we invest in people's wellbeing and development.

ABOUT THE ROLE

Everyone TV front end developers work on a broad range of applications for TV and Set Top Box devices. Primarily with web technologies, occasionally working with CI/CD and full stack tooling. Across a range of products, we deliver user interfaces

enabling TV viewers to discover and access great TV content. Behind the scenes we deliver test and tooling applications supporting the rest of the business.

Supporting our Freeview brand, we provide the Explore Freeview Play and Accessible TV Guide applications. Explore offers an image rich discovery interface for on-demand content across all major UK broadcasters. Accessible TV Guide provides access to live broadcast channels via a simple high contrast guide with optional Text-to-Speech features, this replaces the standard manufacturer guide for users with accessibility needs. Both of these apps are available on the majority of internet connected smart TVs.

Under our Freesat brand, we provide the complete user interface on our Freesat 4k Set Top Boxes. This includes a full programme guide, on-demand discovery area, recordings management, miniguide and settings area.

For our new Freely brand, we support a selection of test and tooling apps around the Hybrid Broadcast and Broadband Television (HbbTV) Operator App which delivers the Freely TV service. Our focus is on growing and improving this service while maintaining our other TV platforms.

Our front-end applications are based in HTML with JavaScript or TypeScript and common web frameworks. To operate on TV devices, we use specialist standards such as HbbTV and handle unique browser quirks and limitations. Experience in this area would be ideal, but it can be learned in role.

RESPONSIBILITIES

- Work with the front-end team, Product, Architecture and wider development teams to:
 - Support and maintain current TV applications
 - Deliver new TV applications or tooling as required
- Deliver high quality code using team coding standards and test-driven development.
- Produce high quality documentation and keep existing documentation updated.
- Support junior team members through pair programming and code reviews.
- Support the team lead in prioritising and tracking development tasks for the team following agile process.
- Learn and keep up to date with industry best practice and relevant technologies and technical specifications (particularly HbbTV and IPTV).

KNOWLEDGE, SKILLS AND EXPERIENCE REQUIRED

- Strong mid-level professional experience with core web technologies (semantic HTML, CSS, JavaScript/TypeScript), with a good understanding of the DOM, CSSOM, rendering performance and the JavaScript execution model.
- Ability to deliver complete front-end solutions using plain JS/TS or modern frameworks (e.g. React, Svelte, MobX), producing clean, tested and maintainable code.
- Good understanding of core web protocols and patterns (HTTPS, WebSocket, REST, GraphQL) and common client-server security considerations.
- Experience with modern JavaScript tooling and workflows, including NPM, build tools (Vite/Webpack) and testing frameworks (Vitest/Jest); comfortable writing automation scripts and working with the command line.
- Solid grasp of software development lifecycle practices, like Agile delivery, requirements analysis, task breakdown, version control and CI/CD pipelines.
- Able to reason from first principles when designing solutions, applying appropriate patterns and pragmatism to meet real-world constraints.
- Highly desirable experience:
 - Developing web applications for TVs, set-top boxes, or other constrained or non-standard platforms (e.g. games consoles, embedded devices).
 - Working with the HbbTV specification.
 - Building applications that present streaming video or other rich media.
 - Developing for Android TV or mobile platforms (Java/Kotlin).
 - Applying UX principles especially for lean-back, 10-foot user interfaces.
 - Using AI-assisted development (e.g. GitHub Copilot) within a disciplined SDLC.

PERSONAL ATTRIBUTES

- A collaborative team player able to build and maintain working relationships across online and in-person hybrid working.
- Embraces and promotes a diverse working culture.
- Applies strong problem-analysis and resolution skills, taking ownership of issues to deliver practical and efficient solutions.
- Able to quickly learn new concepts, technologies, ways of working and tooling.
- Highly adaptable, managing conflicting demands and navigating ambiguity.
- Aware of personal development needs, keen to expand their breadth of skills and knowledge as required.
- Self-motivated to continue learning and improving.



LOCATION

The role is based in Everyone TV's central London offices, at the South Bank.

We are a flexible working employer and the company currently works a hybrid pattern.