

# Gavin Cockrem

Lead Software Engineer | Frontend & UX Expert | 2x BAFTA & Webby Winner

I specialise in crafting high-performance, user-centric applications at the intersection of Engineering and UX. With a passion for seamless digital experiences, I lead frontend engineering efforts that blend cutting-edge technologies with intuitive design.

As a BAFTA & Webby-winning engineer, I ensure usability, accessibility, and performance are at the core of every product. I thrive in cross-functional environments, collaborating with designers, product teams, and AI researchers to bridge the gap between complex systems and effortless user experiences.

## Technical Expertise

### Frontend & UI Development

- Languages & Frameworks: JavaScript (ES6+), TypeScript, React, React Native, Next.js, Angular, Electron
- State Management: Redux, Zustand, React Query
- Styling & UI Libraries: Tailwind CSS, Styled Components, Material UI

### UX, Performance & Accessibility

- Design & Usability: Figma, Storybook, User-Centered Design, A/B Testing
- Performance Optimisation: Core Web Vitals, Lighthouse Audits, WebAssembly
- Accessibility: WCAG, ARIA, Inclusive Design

### SaaS Engineering & DevOps

- Integration: RESTful APIs, GraphQL, WebSockets
- Scalability & Architecture: Micro-frontends, Edge Computing, Serverless
- Build & Deployment: Webpack, Vite, ESLint, Prettier, Docker
- CI/CD & Hosting: GitHub Actions, Azure DevOps, Bitbucket

## Leadership & Impact

- Champion seamless collaboration between developers and designers, ensuring intuitive interfaces.
- Mentor engineers in frontend best practices, performance tuning, and accessibility.
- Drive the adoption of scalable, future-proof architectures to ensure long-term maintainability.
- Provide voluntary leadership mentoring, supporting the growth of future tech leaders.

## Key Projects

- AI-Powered Data Visualisation Platform: Built an interactive tool enabling ML engineers to identify data gaps and optimise model training.
- Cloud-Native SaaS Platform & Electron App: Led frontend architecture for a cloud-native SaaS, developing an Electron-based application to support the platform, significantly improving performance and deployment efficiency.

## Experience

### Lead Software Engineer – Mindtech Global (Jan 2023 – Present)

- Built a data visualisation platform that enables ML engineers to optimise model training.
- Led the transformation of an interactive prototype into a scalable, high-performance application.
- Architected a Docker-based deployment system, streamlining application delivery.
- Established agile best practices, including CI/CD pipelines, accelerating development cycles.

### Lead Software Engineer – Evergreen Life (Nov 2021 – Jan 2023)

- Developed features for mobile apps and APIs across multiple projects, including greenfield initiatives.
- Led development on a **React Native** application, ensuring a seamless cross-platform experience.
- Defined technical requirements with stakeholders to align engineering with business goals.
- Championed agile adoption, leading sprint planning, story grooming, and retrospectives.

### Software Engineer – Cloud Gateway (Apr 2020 – Oct 2021)

- Modernised a legacy web app by integrating strict typing and NgRx, improving maintainability.
- Developed a cloud-native, serverless infrastructure leveraging AWS services.
- Built CI/CD pipelines to enhance deployment efficiency.
- Delivered features across Angular front-end and Node.js APIs, ensuring a seamless UX.

## Previous Roles

- Lead Software Developer – GWD (2019 – 2020)
- Developer Team Lead – Joi Polloi (2015 – 2019)
  - Expanded the development team from 2 to 8.
  - Delivered BAFTA & Webby award-winning projects.
  - Managed up to 10 developers and implemented CI/CD pipelines.
- Developer – RCKT / Joi Polloi (2013 – 2015)
- Freelance Developer – [gavinlc.co.uk](http://gavinlc.co.uk) / Contractor (2008 – 2013)
- Other roles spanning 2001–2007 in multimedia, 3D visualisation, and development.

## Education & Certifications

BSc Multimedia – Swansea Institute of HE (now University of Wales Trinity Saint David) – 2:1

## Contact Details

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