Andy Swinburne

swinburne.dev

Passionate front end engineer with 15 years commercial experience, primarily within digital agencies and product software teams. Strong technical abilities focusing on advanced front end builds using React, Redux, Typescript and NextJs. Blend of technical and client-facing skills, valuable for dealing with both internal and external stakeholders.

Technologies and Skills:

- JavaScript / Typescript / ES6+ / React / Redux / NextJs
- HTML5 hybrid iOS and Android app development using Ionic Framework / Cordova
- Semantic HTML, accessibility and performance optimisation
- Jamstack - Netlify / Vercel / AWS Lambda / GatsbyJs / Contentful / Stripe / Firebase
- Nx monorepo
- Design Systems - Shared UI library / Styled Components / Storybook
- Sass / CSS3
- Webpack / Gulp / GruntJS
- NodeJs / Express
- REST APIs, GraphQL and Apollo client
- TDD / Jest / Enzyme / React testing library / Cypress
- CI / CD - Jenkins / Rundeck / Azure Pipelines
- SEO strategy and technical implementation
- NoSQL - MongoDB, PouchDB & CouchDB, Firebase
- Linux System Administration / Windows Server
- Amazon AWS cluster management: EC2, LoadBalancing, RDB, SES
- GIT / GitHub / Bitbucket / Azure DevOps
- AGILE methodologies & BDD
- Technical planning, scoping, documentation and project management

Experience

April 2022 - December 2022   Senior Front End Engineer - Purplebricks PLC

Senior engineer within the Instructions squad, responsible for integration of BigCommerce APIs into current React app, to provide a more flexible headless e-commerce approach. Supported architecture and planning of new Instruct app, using Nx monorepo, Next.js, Typescript, Apollo and BigCommerce GraphQL / REST APIs. Maintained and updated many Next.js apps across the Nx monorepo and other legacy React apps, to help address technical debt and introduce new features.

Implemented BigCommerce vouchers into Instruct flow, allowing vouchers to be entered during checkout and applied to cart, plus appropriate error handling for invalid, expired or ineligible vouchers.

Key member of Front End Chapter meeting, helping drive engagement and motivate wider FE team. Contributed to Purplebricks component library using Nx libs, styled components and storybook.

October 2020 – April 2022   Lead Software Engineer - Shell Energy Retail Ltd (SERL)

Lead Software Engineer of 1 Agile Pod (3 x FE, 1 x QA, 1 x UX) responsible for SERL Broadband Registration journey and public pages. Maintain various micro front-ends web apps, driven by Contentstack headless CMS, tech stack React / Redux / NextJs / Express.

Recent developments include:
• Launch of FTTP (Fibre to the Premises) products within Broadband Registration journey
• Integration of in journey credit check within Broadband Registration
• Performance audits and optimisation for Core Web Vitals
• Supporting external Pod, providing consultancy and reviewing PRs for new features within My Broadband web app for Post Office Broadband acquisition customer migration
• Contributing to internal SERL component library

Homepage: https://www.shellenergy.co.uk/
Broadband products: https://www.shellenergy.co.uk/broadband
Broadband Registration: https://www.shellenergy.co.uk/broadband/registration

October 2019 – October 2020   Head of Non-Retained Development - ITG Connect Ltd

Head of Non-Retained development team (2 x FE, 2 x BE) servicing all clients outside of JLR sprint teams. Responsible for scoping new projects and features, designing technical solutions, supporting the client services team with new business proposals, estimates and management of the team.

October 2017 – October 2019   Lead Front End Developer (JLR) - ITG Connect Ltd

Lead developer for NCOS (New Car Online Sales) project for JLR (Jaguar Land Rover). Agile sprint team working across multiple NCOS projects. Creation of individual React / Redux / Webpack apps consuming APIs for various features, such as Finance Calculations and Part Exchange.

Lead developer for Configurator (post NCOS launch) across 2 sprint teams, creating new features including supporting the New Land Rover Defender launch. Large accessibility project to gain level A compliance and continued refactoring, performance improvements and refinement of Configurator.

JLR Configurator 2.0:
https://buildyour.landrover.co.uk/lr2/r/model/_/en_gb/l663_k20/4pbis
https://buildyour.jaguar.co.uk/jag2/r/summary/finance/en_gb/i-pace_k20/4l70m

JLR Digital Experience (DX):
https://www.landrover.co.uk/index.html   https://www.jaguar.co.uk/index.html
Joined DX team for the Evo project to combine Jaguar and Land Rover code bases. This involved migrating components and implementing Jaguar styles into the current Land Rover codebase.

November 2016 – October 2017   Lead Front End Developer - Rewarding Visits (RV)

Development of scheme websites and administration dashboard using VueJs / Laravel and scheme hybrid apps using Ionic framework. As well as hands on development, the role involved documenting systems and processes; bringing further experience to the team to help attract potential investors and help commercialise RV offering. Innovate UK funded 'Re-imagining the High Street' project.

Scheme websites:
Public facing consumer website for each town scheme. Laravel site pulling offers and businesses from the RV API, developed configuration so the websites could be easier replicated per scheme with minimal development work.

Scheme apps:
Town specific app featuring offers, business directory and digital card for use at RV kiosks. Maps and directions to Touchpoint kiosks and retailer locations. HTML5 hybrid iOS and Android app development using Angular / Typescript built with Ionic framework and cordova plugins such as geolocation, splash screen, whitelist.

May 2016 – November 2016   **Head of Development - Barques Design**

Technical management of development team and hands-on development of many projects. Primarily design driven Wordpress sites and maintenance of Hilton CodeIgniter booking system. Responsible for scoping and quoting new projects, mentoring developers and regular 1-2-1s. IT management of internal systems, migration to Google Apps for email and consolidation of shared cPanel servers.

September 2013 – May 2016   **Head of Development - LHM Media**

Responsible for all LHM technical developments and delivery standards within the internal and external teams. Full stack development typically using RWD, Wordpress CMS or bespoke PHP framework backend. Blend of hands-on development and strategic technical planning, input into new business and architecting the correct solution within the clients budget.

Management and development of the internal team, project management and client contact responsibilities as required when working on technical projects, and liaising with client-side IT teams.

Development of the initial Healthwatch Birmingham site, implementing a central national API feeding service provider and review data to the local Healthwatch Wordpress site. Implementation of Wordpress CMS front-end website, supporting Facebook application and bespoke reporting platform.

After great success Healthwatch has now been deployed across 30+ regions including the Midlands, South West, London and North West. New instances created within 1 day after implementing automated deployments, scalable servers using Amazon Web Services and front-end cPanel servers.

Healthwatch Birmingham http://healthwatchbirmingham.co.uk

August 2012 – September 2013   **Technical Manager - WAA Ltd**

On-going responsibilities as per Team Leader role within a reduced team, technically taking a shift in focus towards PHP / Wordpress / RWD inline with business needs and client base.

May 2011 – August 2012   **Technical Team Leader - WAA Ltd**

Responsible for overseeing the development team (approx. 10) providing technical mentoring and hands-on development within the Java and PHP teams. Time split 70/30 between development and technical mentoring of other developers, technical planning of projects & new proposals / opportunities. Primarily gain experience in:

- Daily management of individuals including 1-2-1s, Formal appraisals & PDP
- Wider scope of project planning & technologies
- Heavier involvement in resourcing and project management
- Reviewing new technologies appropriate for the business and CMS platforms

Dec 2009 – April 2011   **Senior Java Developer - WAA Ltd**

3M – Where To Buy (WTB)   Dec 2009 – April 2011   http://wheretobuy.3m.co.uk

Lead developer on WTB. Joined the team during early development, tasked with delivering and maintaining the project. Custom built Java website: Spring, Hibernate, DWR, SQL Server, jQuery.

2006 – 2009   **Website Developer - SOUK Communications**

Geological Society London (GSL)   Nov 2006 – Nov 2009   http://www.geolsoc.org.uk

Extend Jahia Java CMS to incorporate custom model for GSL backend. Build a full online bookshop and E-commerce platform using DataCash.

Use of Spring framework to create custom Jahia services and Hibernate / HQL to access GSL custom data model. Building multiple engines to integrate with Jahia and implement the GSL business logic. Create JSP Struts templates using Jahia for CMS content and custom templates for specific requirements. Creation of a custom shopping basket and checkout. Extend the Jahia admin interface to include order fulfilment management.

Extend Jahia Java CMS to incorporate custom model for GSL backend. Build a full online bookshop and E-commerce platform using DataCash. Sub project to extend MyGSL area to allow membership renewal and subscription changes online. Incorporate Online Direct Debit payments into the website. Generation of XML reports of sales. Automated routines to create and update Fellow profiles.

2005 – 2006   **Software Engineer - Siemens Communication**

Build of C / C++ embedded applications and widgets for Siemens IP telephones. Member of large team working on new IP phone product. AGILE: SCRUM, Pair programming, TDD, CI.

Education and Qualifications

2001 – 2004   University of Reading   2.1 Computer Science BSc (Hons)

1994 – 2001

Southwell Minster School   3 A-levels – Computing (B), Geography (C), Maths (D).

Nottingham   10 GCSEs (A – C): Maths (A), Sciences (A), Geog (A), IT (B)