Luke Whiteley | Curriculum Vitae

in lawhiteley • ⍥ lawhiteley

Experience

Sky Betting & Gaming   **Leeds**
Lead Software Engineer   *May 2022 -*

Currently leading the Trading tribe's Models team who are responsible for Sky Bet's in-house football trading engine (SBTE). On a typical Saturday afternoon we'll generate over 33 million market updates and over £1Bn a year is staked against the 100,000+ fixtures we price up. In this role, I'm also responsible for the line management and personal development of a squad of engineers.

Senior Software Engineer   *January 2021 - May 2022*

Developed an inner source GraphQL framework exposing our rich sports/betting datasets as flexible web-scale services.

Software Engineer   *May 2018 - January 2021*

Focused on the integration of third party data feeds for use in the SBTE where low latency is paramount to avoid the placement of late bets.

o Working with key stakeholders through discovery, elaboration, and estimation to break business requirements down into tickets.
o Development of greenfield Kotlin/Spring Boot microservices composed in a service-orientated architecture, running on Kubernetes and relying heavily on Apache Kafka.
o Migration of VM-based NodeJS monoliths.
o DevOps, including the upkeep and management of our legacy estate with Chef, AWS integrations via Terraform, and monitoring/alerting pipelines using Prometheus, Grafana, Alertmanager, and PagerDuty.
o Member of the 24/7 on-call rota, providing out-of-hours support for an estate comprised of around 25 services.
o Conducted knowledge sharing sessions on internal systems as well as topics including AWS, GraphQL, and Kafka.

CACI   **Leeds**
Technical Service Developer   *January 2017 - May 2018*

Providing development and 3rd line support for four services in production as well as development on a fifth (greenfield) platform all within the rail domain. Technologies used: Java, Apache Camel, Apache ActiveMQ, Apache Kafka.

o Implementing new features in accordance with strict acceptance criteria while advocating and adhering to TDD/BDD, SOLID, and other general best practices.
o Working as part of an agile development team using Scrum principles such as sprints, standups, and retrospectives with an aim to work effectively and continually improve as a squad.
o Member of the 24/7 on-call rota.
o Liaising with third parties to develop, debug, and test system integrations.
o Conducted in-office technical assessments of candidates which consisted of a 45 minute pair programming session building on the technical test they had completed prior to the interview.

Talysis   **York**
Technical Executive   *September 2011–August 2013*

Talysis specialise in the analysis, interpretation, and application of retail sales data within FMCG (Fast-Moving Consumer Goods) categories.

o Administration, expansion, and upkeep of the company's technical infrastructure.
o Creation of automated pipelines in Visokio Omniscope, consuming data from a variety of sources and transforming it for integration with our bespoke 'suites' for later analysis and/or client delivery.

Education

Leeds Beckett University   **Leeds**
ILM Level 3, Pass   *2022*

Newcastle University   **Newcastle**
BSc (Hons) Computer Science (Security & Resilience), 2:1   *2013–2016*

Year 1: Programming I & II, Architecture, SWE I, Mathematics, Web I

Year 2: SWE II, Team Project, Algorithm Design, Databases, Operating Systems, Networking

Year 3: Mobile, Web II, Security, Verification, Cryptography, Reliability & Fault Tolerance, HCI

Specialising in Security & Resilience, my dissertation was based on the design and implementation of a privacy-preserving Geocaching system based on Android using IBM's Identity Mixer library for the issuance and verification of anonymous credentials.

York College   **York**
Software Development, Triple Distinction (100%)*   *2011–2013*

Easingwold School   **Easingwold**
GCSEs, Nine A-C, including English, Maths, and Science.   *2006–2011*

References

Available on request.