

Toby Cole

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Professional Summary

Experienced IT professional with over 25 years in diverse development, support, and managerial roles within health & safety, investment banking, and consultancy sectors. Seeking a senior role driving integration projects leveraging Java, Data, ETL, and Micro service technologies within cloud environments.

- **Technical Proficiency:** Adept in Cloud technologies, RDBMS's, SOA stacks, Java, Enterprise Data Warehousing, Business Intelligence, migration projects, *nix, and source code control, offering a comprehensive skill set to tackle complex integration challenges.
- **Proven Leadership:** Demonstrated ability in team leadership, mentoring developers, orchestrating design sessions, and adeptly resolving technical trade-offs to ensure optimal project outcomes.
- **Business Acumen:** Proficient in business-facing activities encompassing requirements gathering, solution specification, and successful implementation, aligning technical solutions with organisational needs.
- **Project Management Excellence:** Accomplished in project management, encompassing scope management, work package allocation, meticulous tracking, comprehensive reporting, and adept troubleshooting.

Experience

Estafet **London** **Apr 15-Current**
Senior Consultant

Elsevier Books Order to Cash Project **2020-Current**

As the Solutions Architect and Team Lead, spearheading the integration components within the project aimed at migrating our organisations English language books business from a legacy fulfilment system to a new Oracle eBusiness Suite solution.

Led the oversight and definition of the technical architecture to seamlessly integrate Oracle with internal frameworks and external systems, fostering the decoupling of both internal and external platforms.

- **Technical Architecture:** Conceptualising and detailing the technical framework for integrations involving Oracle and various systems, presenting thorough proposals to stakeholders and project teams for review and implementation.
- **Integration team Leadership:** Steering multiple teams specialising in Talend ETL and Spring Boot micro services, ensuring alignment with architectural goals and overarching project objectives.
- **Team Leadership & Mentorship:** Providing leadership to the team, supervising, and mentoring members throughout the project lifecycle. Conducting regular reviews to ensure adherence to best practices and project requirements.
- **Escalation Point & QA Oversight:** Acting as a point of escalation for technical issues, providing guidance to team members in resolving intricate challenges. Supervising the Talend ETL, Spring Boot micro services, and Quality Assurance (QA) teams to maintain exemplary standards of deliverables.
- **Project Planning & Work Allocation:** Leading project planning efforts, meticulously scheduling work streams, and assigning analysis, design, and development tasks to team members to ensure alignment with project timelines and objectives.

Technologies: Oracle RDBMS/EBS, Talend, Snowflake, AWS Athena, S3, SNS, MySQL, PostgreSQL, Kubernetes

Elsevier Mercury Print Project **2018-2020**

Led an agile development team in executing integrations with a third-party provider selected by Elsevier for outsourcing their quote-to-cash journals business. These integrations comprised API-based micro services, AWS Lambda & Athena, and Talend batch integrations.

- Conducted requirements gathering/analysis, project planning, and maintenance of the product backlog.
- Produced detailed low-level design documentation for solution components.
- Implemented integration components utilising AWS Athena, S3, SNS, IAM, and Talend.
- Served as Scrum Master, overseeing project progress and presenting in sprint reviews.

Technologies employed include Talend, AWS Athena, S3, SNS, MySQL, PostgreSQL, and Openshift.

Arqiva Electricity/Gas Smart Meter Project **2016-2018**

As an integral member of the development team, contributed to delivering security-related integration components for the UK-wide electric and gas smart metering project.

- Conducting requirements gathering/analysis, estimating work packages/change requests, and maintaining the product backlog.
- Producing detailed low-level design documentation for solution components.
- Performing technical analysis and providing support to resolve security and PKI certificate issues encountered during integration testing with third parties.
- Offering application support and managing PKI certificate administration across various test environments.
- Analysing and resolving issues across the entire platform stack in the client environment.

Technologies: JBoss EAP, RedHat Enterprise Linux, JBoss FUSE, PostgreSQL, ActiveMQ, VMWare

Arqiva Smart Water Meter Project **2015-2016**

Led an agile development team that successfully delivered smart water metering integration and business intelligence projects for major utilities organisations. Responsibilities included:

- Conducting requirements gathering/analysis and managing the product backlog for projects.
- Creating detailed low-level design documentation for solution components.
- Implementing integration components using Camel and Java.
- Analysing and resolving issues across the entire platform stack in the client environment.
- Acting as Scrum Master, facilitating project progress, and presenting in sprint reviews.

Technologies employed included JBoss EAP, RedHat Enterprise Linux, JBoss FUSE, PostgreSQL, Oracle Business Intelligence, and VMWare.

Bank of America

Bromley

Nov 10-Aug 14

Development Manager

As Development Manager, I oversaw and provided technical leadership across multiple work streams within a strategic transformation programme, aimed at constructing a sophisticated global data warehousing and business intelligence platform for the firm's treasury business. This initiative addressed the challenges posed by an ageing legacy MIS platform, resulting in the lifting of OCC regulators' MRA.

Key Responsibilities and Achievements:

- Managed teams working with Informatica ETL, Oracle RDBMS, Microstrategy BI, Unix, Cobol, and Nomad technologies.
- Successfully recruited and led a team of technical analysts to reverse engineer and document legacy extracts, overcoming challenges posed by a shortage of resources.
- Delivered solutions to acquire and process Reference, Payments, Trade, Credit, and corporate credit card data from mainframe systems, facilitating reporting by BI teams.
- Provisioned data from the enterprise data warehouse (EDW) to downstream consumers, meeting regulatory reporting, anti-money laundering, OFAC screening, and liquidity risk requirements through flat files and Java web services.
- Defined source code control and deployment approaches, enhancing reliability and repeatability of deployments and reducing time and effort required.
- Led the technical leadership of an automated continuous integration and build pipeline using Jenkins and Maven, improving code build and deployment reliability.
- Contributed to architectural and design issues through participation in architecture review board and design walk-throughs.

Scottish Water

Glasgow

Jan 10-Oct 10

Oracle SOA BPEL Architect (Contract)

- Contributed to architectural definition of company's SOA integration solution.
- Established version control strategy of Oracle BPEL source code using subversion to provide more robust development environment and improve time taken to resolve issues.
- Provided production support for the companies back end middleware SOA/Informatica environment by resolving support issues to improve the quality of the platform.

Development Team Leader/Senior Analyst Programmer

- Lead implementer of full life cycle development project to replace the banks legacy middleware infrastructure using Oracle 10g RDBMS & SOA Suite.
 - Oracle BPEL and a number of in-house developed applications were chosen to replace the proprietary in-house developed Java/CORBA middleware solution.
 - Involved in the technical strategy, requirement gathering and designing of solutions.
- Supported and developed new business processes for the banks proprietary in-house developed Java/CORBA middleware solution.
- Developed a Change Request system for use by the development team that integrated with VMWare to dynamically provision development environments on-demand using Oracle BPEL, APEX and Subversion.
 - User interface was developed using Oracle Applications Express.
 - Underlying Oracle database schema utilised database triggers and Java stored procedures to invoke Oracle BPEL processes.
- Developed Java web service to facilitate transmission of files using S/FTP.
- Worked on green field project to introduce new credit risk reporting platform, Fermat.
 - Developed a business process to report large credit exposures to banks head office from the Fermat credit risk system using Oracle BPEL.
 - As part of this development, there was a requirement to develop user defined XPath functions in Java to dynamically look-up data from an Oracle database using JDBC & JNDI.
- Worked on a project to migrate the banks regulatory reporting application from rFrame to FRS/FiRE.
 - Developed a business process to control the batch loading of data into the FRS/FiRE regulatory reporting system using Oracle BPEL.
 - Developed process to transfer data between the banks Peoplesoft general ledger and FRS/FiRE regulatory reporting system using Oracle BPEL. This process used database adapters to interact with source and destination systems. The data was transformed within the BPEL process using XSLT's and custom XPath functions developed in Java.
 - Developed business process to load FX rates into the FRS/FiRE regulatory reporting system using Oracle BPEL. This process used database adapters to transfer data from the banks data warehouse to the FRS/FiRE system.
- Lead development team of 6 permanent/contract developers for the bank's middleware requirements.

Education

Open University

United Kingdom

2003-2007

Postgraduate Diploma in Computing for Commerce and Industry.

Certifications

Amazon Web Services Solution Architect Associate (2019)

Personal Attributes	To complement a varied range of technical skills, I have good interpersonal and man-management skills. I have good qualities of self-organisation, a strong affinity to new technology and am eager to learn new skills.
Interests	Skydiving, motor sport & music.

Technical Skills Summary [year's experience]

Project Lead:	Team leading, technical architecture, solutions proposals, PRINCE [10]
Analysis and Design:	Requirements capture, functional specification and software design using UML [6]
SOA:	BPEL [5] Web Services [5] Apache Camel [3]
Java/J2EE:	J2SE [10] J2EE [2] RMI distributed connectivity [1] JDBC Database connectivity [7] Servlets [2] JMS[5] (MQSeries & Oracle) TCP/IP sockets [1] JNDI [4]
XML:	XML [10], XSLT [10], XML Schema [5], XPath [5], WSDL [5]
Cloud:	AWS [6], RedHat OpenShift [1]
Build:	Ant [6], Jenkins [3], Maven [3], Gradle [3]
Web:	HTML 4.01 [3], JavaScript [3], XMLC [1], Oracle Applications Express [4]
Scripting:	UNIX shell scripts [18]
RDBMS:	Administration, performance tuning, schema design - Oracle 7.2 – 11g [17], Sybase 12.5[3], Netezza [3], Postgres [3]
ETL:	Talend [5], Informatica [3]
Business Intelligence:	Microstrategy [3]
Middleware:	Corba [3], MiSYS Meridian [1], JBoss Fuse [3]
Security:	PKI [3], OpenSSL [3], HSM [3]
Source Control:	Git [3], Perforce [3], Subversion [9], CVS [9], RCS [4]
Support:	Support of various systems, international and out-of hours [4].