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| contact [mail@phillipandrews.co](mailto:mail@phillipandrews.co).uk  [www.linkedin.com/in/andrewsphil](file:///\\MSI\network-shared\!$MAIN_DOCUMENTS\Personal\CVs\www.linkedin.com\in\andrewsphil)  (+44) 7779 334 420 key skills  * Java * Spring Framework * Certified AWS Professional * Databases SQL/NoSQL * Docker * Python * TDD / BDD * REST APIs * Microservices * RDBMS and NoSQL Databases * XML / XSLT / SOAP * Clean Coding Advocate * Collaborative Team Player * Mentoring / Training  education BSc Pure Physics – Cardiff University AWS Certification A hexagon with white text  Description automatically generatedA blue hexagon with white text  Description automatically generated  SAP-C02 DOP-C02 DVA-C02 SOA-C02 INTERESTS Cycling, Golf | profile I am a professional engineer with 12+ years of Java, Spring, and database experience gained within many complex projects for large and small companies in the U.K., Jersey, Germany, Sweden, Czech Republic and Ireland.  I am a Java expert but also code with Python for some Cloud services.  I have a passion for continuously improving my technical skills and have recently obtained both professional AWS certificates; Solutions Architect (SAP-C02) and DevOps Engineer (DOP-C02).  I am happy to be a team developer but also have been Lead Developer on some projects where I developed a strong set of leadership and communications skills which is I believe is crucial for working collaboratively within a team.  I have also enjoyed mentoring and training less experienced developers in many projects. Technical summary  |  |  | | --- | --- | | Java | 12+ years – versions 5 to 17 | | Spring | 12+ years – Boot, Data, Cloud, MVC, Security, Batch, Web Services. | | SQL/DB | PostgreSQL, MySQL, Oracle, IBM DB2, SQL Server. JPA (Hibernate & EclipseLink) | | Python | 2 years v3.0 | | NoSQL | MongoDB, DynamoDB | | REST API | 8+ years – JAX-RS, Spring MVC, Swagger, OpenAPI, Postman | | Docker | Docker CLI, Build & Compose CLI. Swarm. | | Cloud (AWS) | Lambda, SQS, SNS, DynamoDB, RDS, API Gateway, EC2, Fargate, S3, ElastiCache, ECR/ECS, R53, ELB, CloudFront, IAM, KMS, CodePipeline, Cognito, Kinesis, VPC, SAM/CDK/CloudFormation | | App Servers | Tomcat, WebLogic, Websphere. | | Messaging | RabbitMQ, ActiveMQ | | Test | TDD/BDD, JUnit, Mockito, JMockit, EasyMock, Selenium, WireMock, JMeter, Cucumber | | O/S | General Linux and shell scripting knowledge | | VCS | Git, GitHub, AWS CodeCommit, BitBucket, GitLab, Subversion, CVS | | CI/CD | CI/CD – AWS CodePipeline, Jenkins, Stash, Artifactory, JetBrains TeamCity | | XML | XQuery, XPath, XSLT, SOAP | | Templates | ThymeLeaf, FreeMarker, Velocity | | UI | PHP, Javascript(7+ years). | |

##### **AGILE CODING LTD, CARDIFF, U.K.**

##### www.agile-coding.co.uk

##### NOVEMBER 2022 – PRESENT [Hybrid Working]

## Senior Java DevelopeR

Java v17, Spring, AWS, Python, Docker, SQL

Currently working on the cloud migration of client’s on-premises applications and databases. AWS services used include EC2, R53/API/Lambda(Java&Python), SQS, S3, DynamoDB, ElastiCache, RDS, CodePipeline.

I helped design the CloudFormation, SAM scripts and CDK code for IaC.

In a project for another client, AIG Life Insurance, I refactored several of the legacy code tiers and converted them into a modern Spring Boot application.

##### **SAP SE, Stuttgart, Germany**

##### www.sap.com

##### november 2021 - NOVEMBER 2022 [Hybrid Working]

## SENIOR Java DevelopeR

Java JEE v11, Spring, AWS, Python, SQL, Microservices, Docker.

Responsible for the comprehensive refactoring of the Java code for SAP’s Availability Monitoring Service (AVS) APIs which provides enhanced monitoring and tracing capabilities for SAP’s clients. The existing code was non performant with no usage of design patterns and a large amount of duplication and inefficiencies. My role was to safely refactor the code and produce industry standard RESTful Spring applications with robust unit tests.

##### **RBS International bank (RBsI), JERSEY, uk**

##### www.rbsinternational.com/locations/jersey.html

##### OCTOBER 2015 – SEPTEMBER 2021 [Hybrid Working]

## LEAd Java DevelopeR

Java JEE v8-v11, Spring, Microservices, TDD, JPA, SQL, AWS

Lead Java developer working on the complete e-platforming of an international banking portal to a modern SPA and microservice architecture. I introduced to the team a test-driven approach which helped us deliver a high quality product on time and on budget.

RBSI's *'EQ Next Generation*' platform was designed to meet the needs of financial intermediary, institutional and corporate clients who need to manage their multi-currency accounts. This included authorising large volumes of high value international payments to multiple payees in real time and in a wide range of currencies and time zones.

I was particularly focused on Foreign Exchange (FX) and International Payments modules of the application.

I also contributed to a parallel proof of concept project migrating some of the bank’s services to AWS using EC2, ASG, S3, RDS, ElastiCache, RDS, API Gateway.

##### **IKEA, HELSINGBORG, SWEDEN**

##### [www.ikea.com](file:///\\MSI\network-shared\!$MAIN_DOCUMENTS\Personal\CVs\www.ikea.com)

##### October 2013 – september 2015 [Working on site in Sweden]

## SENIOR Java DevelopeR

Java JEE v7/8, Spring MVC, RabbitMQ , TDD, SQL (IBM DB2)

Worked on IKEA's new '*New Web Project*' (NWP) online shopping web application which their outdated offering.

Mostly responsible for middle tier Java J2EE work with Spring MVC and REST Services which was integrated with the backend CMS. Heavily involved in TDD and mentoring less experienced developers.

Integration of Java layers with bespoke CMS product to serve product images.

Also responsible for designing Unit Test and Integration Test strategies and standards. Encouraging team to code using TDD. Train other developers in unit testing and mocking strategies and methodologies.

Encouraging junior team members to write Clean Code.

##### **barclays bank plc, Radbroke Hall, Knutsford cheshire, uk**

##### www.barclays.co.uk

##### march 2013 – october 2013 [Working on site in Cheshire]

## SENIOR Java DevelopeR

Java JEE v7, Spring MVC, SQL(Oracle), Glassfish, ActiveMQ, Tomcat, Javascript, jQuery

Senior Java developer working on adding extra functionality to Barclays Online Banking application. Specifically assigned to work on integrating mortgage products to enable users to view and make payments to Barclays mortgage accounts online.

Involved in the design and implementation of backend service classes and web services. Unit Testing lead.

Front end work including jQuery/Javascript.

Agile methodologies (Scrum).

##### **office national statistics (ONS), newport, uk**

##### www.ons.gov.uk

##### july 2012 – february 2013 [Working on site in Newport]

## SENIOR Java DevelopeR

Java JEE v7, Spring, PL/SQL(Oracle), Weblogic, Clearcase

Senior Java developer working on an ONS internal web application to process population data for the inter-census years. The raw data from field agents is fed into the web application through a front-end portal and backend Java services process the data and persist it into the Oracle databases.

Tasks include designing scheduled tasks to run multiple stages of the data processing and reporting. Also tasked with coding middle tier and back-end services. Extensive interfacing with Oracle stored procedures. Involved in some web services work.

##### **SITA Aero, County Donegal, ireland**

##### www.sita.aero

##### january 2012 – july 2012 [Working on site in Ireland]

## Java full stack Application DevelopeR

Java JEE v7, Spring MVC, WebFlow, PL/SQL(Oracle), Javascript, Tomcat

Senior Java/Javascript developer in a small team working on totally replacing a legacy web application for SITA with new Spring based system. Development role included working on server-side layers with Java and client-side with Javascript (using jQuery)/CSS/HTML for the UI.

Writing unit and integration tests.

##### [**Deutsche Börse Group**](http://deutsche-boerse.com/dbag/dispatch/en/kir/gdb_navigation/home) **– Prague (German Stock Exchange)**

##### https://www.deutsche-boerse.com/dbg-en/our-company/contact/locations/location-prague

##### july 2011 – december 2011 [Working on site in Czech Republic]

## Java/javascript full stack Application DevelopeR

Java J2EE v6/7, Spring, IceFaces, Tobago, WebSphere, Tomcat, TestNG, PL/SQL(Oracle), Javascript, Tomcat

Working for the Prague office of the German Stock Exchange (Deutsche Börse) I was a Senior Java developer in a team working on an online stock auction application. Implementation of clearing trade functionality for multiple B2B end clients. Tasks involved designing front-end JSF’s (with IceFaces) and back-end Service/DAO(Hibernate) layers. Also worked on database migration code to port data from legacy system to the new application.

Agile methodologies (Scrum).

##### [**Nokia GmbH, Invalidenstrasse 117, Berlin, 10115 Germany**](http://deutsche-boerse.com/dbag/dispatch/en/kir/gdb_navigation/home)

##### november 2009 – june 2011 [Working on site in Germany]

##### www.nokia.com

## Lead Java Application DevelopeR / Oracle DBA

Java JEE v6/7, Spring, Wicket, Ant, Oracle 11g, Hadoop, Hibernate, Tomcat

I was the Lead Developer in Nokia’s analytics team on-site in Berlin. Responsible for the design and implementation of a distributed J2EE application capable of the daily extraction from Nokia’s huge remote server logs into a large Oracle database (500 million rows). Transferring Oracle database to Hadoop cluster and writing Pig Java UDF’s. Implemented embedded Oracle Java Stored Procedures which greatly increased performance.

My main responsibilities included the design and implementation of the Java application, scheduled SFTP retrieval of remote files using Quartz and Apache VFS, parsing and decryption of log files, consolidation of the data and persisting into the database. Frequent use of JVM memory profiling and performance tuning. Unit testing.

I regularly liaised with Nokia management to capture requirements and feedback.

The data was used in the Nokia/Microsoft platform tie up. I was also the Oracle DBA for this project responsible for the schema design, PL/SQL scripts, tablespace management, backups etc.

##### [**environment agency, rivers house, bridgwater, U.K.**](http://deutsche-boerse.com/dbag/dispatch/en/kir/gdb_navigation/home) **(ON SITE)**

##### august 2008 – november 2009 [Working on site in Bridgwater]

## Java/javascript full stack Application DevelopeR

Java J2EE v6, Spring, WebFlow, DWR, Ant, XML/XSLT, Javascript, Oracle 11g, Hadoop, Hibernate, Tomcat

Senior Java/Javascript developer in a team responsible for the development of The Environment Agency’s new Generic Operator Returns (GOR) web application to enable U.K. medium to large companies to enter their environmental records online, replacing a paper-based system. GUI work with Javascript/Prototype. Also worked on rare XSLT Spring view implementation.

\*\*\* END \*\*\*