Simon Taylor

SPT Development Ltd, 57, Desjardins Way, Pershore, Worcestershire, WR10 3EA
+44 (0) 7825 332003 | simon.taylor@spt-development.com | www.spt-development.com

PROFILE

Highly accomplished Solution Architect / Senior Developer with twenty years hands-on development and architecture experience within integration, enterprise application, public facing website and mobile application projects, for blue chip organisations, start-ups and government departments. A wide skill set and flexible attitude, in addition to being a quick learner, mean I have considerable experience of Java (Spring/JEE) and .Net projects and a proven track record of being fundamental to the successful delivery of these projects. In addition to technical ability, my work ethic and attention to detail really set me apart from my peers.

Currently looking to provide solution architecture, software consultancy and development services through SPT Development Ltd.

KEY SKILLS

- Java, Javascript, C# .NET, Python, SQL
- Spring - Spring Boot, Spring MVC, Spring Security, Spring Integration, Spring Batch
- JEE - MDB, JMS, EJB, JPA, JAXB, JAXRS, Wildfly, JBoss
- Devops - Jenkins, Maven, Gradle, Ansible, Docker
- AWS - EC2, Lambda, S3, SQS, Kinesis, DynamoDB
- RDBMS - Postgres, MySQL, SQLServer
- NoSQL - Elasticsearch, Redis, MongoDB
- Testing - JUnit, Mockito, Cucumber, Selenium, Automation, TDD, BDD
- UI - React, HTML/CSS
- Methodologies - Agile, Scrum, Kanban, SAFe, Waterfall
- Microservices, REST, SOAP, SOAP

PROFESSIONAL EXPERIENCE & ASSIGNMENTS

BAE
Senior Developer (Contract)   **Apr 2019 – Present**
- Primarily responsible for the development and maintenance of a Spring Boot microservice that provides a REST API for the deployment of packages from a secure network onto an insecure network.
- Championed the introduction of integration tests, making use of JUnit and Cucumber, that ran as part of the Jenkins Pipeline CI build.
- Developed Ansible playbooks for the automated deployment of the Spring Boot microservice and other components of the system such as the ELK stack, Redis and RabbitMQ, to a Docker Swarm.
- Developed Python classes deployed to a microservice that responsible for wrapping and unwrapping messages sent to the insecure network.

BT
Senior Developer (Contract)   **Aug 2018 – Apr 2019**
- Responsible for development, maintenance and compliance of the UI of the most widely used application by the client, built on Spring Boot/Spring MVC with Ext JS [migrating to a] React front-end.
- Built a highly extensible Spring Boot 'formatter' microservice with HTTPS client authentication that converted files from formats such as Visio to PDF for safely displaying the content in the UI.
- Developed an extensive suite of unit tests and integration tests using JUnit and Cucumber and ran them as part of a Jenkins Pipeline CI build.
- Implemented a more traditional way of running agile retrospectives.

Anatwine
Solution Architect (Contract)   **May – Aug 2018**
- Gave business analysts the ability to configure order extensions via a spreadsheet based DSL, considerably cutting the costs of new integrations to Nike, JD Sports and other tier one customers.
- Built a Spring Boot configuration service that handled multiple environments, versioning and diffing across environments. Included git integration and integration with Anatwine's single sign on solution.
- The configuration service reduced the number of issues introduced to the production system through incorrectly applied configuration, by 87%.

Co-op (Capgemini)
Senior Java Developer (Contract)   **Apr – May 2018**
- Designed and developed a Spring Boot microservice for batch loading 'Colleague Recruitment' reference data received from Oracle Fusion and Oracle Taleo via Oracle Integration Cloud Service (ICS) into MySQL.
- Developed the solution with an API first approach using API Blueprint and Apiary to specify the API and provide early visibility.

- Identified weaknesses in the approach to logging, error handling and the build and deployment process of other microservices and presented the 'Reference Data' service as the reference architecture.
- Built an extensive set of automated component tests using Cucumber to define the behaviour of the API.

Anatwine
Solution Architect (Perm + Contract)   **Mar 2014 – Apr 2018**
- Member of the original five man team that took the idea of "Connecting the worlds most successful fashion brands to the worlds leading fashion retailers" from concept to fruition in four months.
- Architected and developed all areas of the system based on the "hub and spoke" integration pattern with JEE7 (SOAP, MDB, JMS, EJB, JPA) applications deployed to Wildfly, Mule ESB bespoke integration endpoints and later moving away from a monolithic "hub" towards a microservices based architecture.
- Built Mule endpoints for integrating companies such as Superdry, Adidas, Next, Marks & Spencer, Zalando and Amazon onto the Anatwine platform, processing orders worth up to £2M per day.
- Developed a multi-tenant Vendor API endpoint with Spring Boot, Spring Integration and Spring Batch designed to help vendors such as Sunglass Hut integrate with Macy's through the Anatwine system.
- Tuned integration endpoints to meet the target of parsing, validating and staging to S3, product catalogues up to the size of 20G within 5 minutes. YourKit was used for profiling and identifying 'hotspots'.
- Implemented a Staged Event-Driven Architecture (SEDA) with SQS, HornetQ and Message Driven Beans (MDBs) to decompose the stages of the catalogue-processing pipeline and connecting Mule endpoints to core.
- Built an OAuth 2.0 secured REST API with Spring MVC and Spring Security for Anatwine's angularjs portal, based on the Command Query Responsibility Segregation (CQRS) pattern with a separate Elasticsearch data store.
- Made extensive use of Amazon Web Service (AWS) technologies including RDS, DynamoDB, S3, SQS, EC2, Lambda and Kinesis Firehose, with auto scaling to help build a highly available system supporting high volume.
- Championed best practices such as TDD, continuous deployment/integration and peer reviews to help maintain a high quality codebase, with high test-coverage (+80%) and aid scaling of the team to over 120 employees.
- Used Scrum and Kanban agile methodologies for delivering bespoke integration and product road map projects respectively.

IRESS UK
Software Engineer (Contract)   **Oct 2013 – Mar 2014**
- Senior developer on a team of more than 30 on and off shore developers implementing a new version of the company's flagship mortgage application.
- Developed WCF services to facilitate Service Oriented Architecture (SOA).
- Took responsibility for front-end development using ASP.NET MVC 4, Durandal and knockout.js, which was originally, solely developed by the offshore team.
- Project was undertaken using Domain Driven Design (DDD) and Test Driven Development (TDD).

HESA
Software Consultant (Contract)   **Feb – Oct 2013**
- Architected and developed an ASP.NET MVC 4 web application deployed as an Azure web role for defining data validation rules.
- Produced a very complex and responsive user interface with extensive use of knockout.js.
- Worked to strict ISO9001 and ISO27001 compliant processes.

Various Assignments   **Jun 2000 – Dec 2012**
- For details of professional experience and assignments prior to February 2013, please see the appendix.

QUALIFICATIONS / CERTIFICATIONS

Microsoft Certified Professional Developer   **Apr 2008**
- Windows Developer

Sun Certification   **Aug 2006**
- Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0

University of Manchester   **1997 – 2000**
- First Class Bsc (Hons) in Computer Science

Pershore High, Worcestershire   **1991 – 1997**
- A – Levels – Maths A; Physics B; Computing C; General Studies C
- GCSEs – 9 Subjects including Maths (A*) and English Language (A)

RECOMMENDATIONS

Recommendations from clients, available on request.

PROFESSIONAL EXPERIENCE & ASSIGNMENTS CONTINUED

Pactable
Software Consultant (Contract)   Nov – Dec 2012

Greenlife Water
Software Consultant (Contract)   May – Nov 2012

Pactable
Software Consultant (Contract)   Feb – May 2012

Invitation Digital
Lead Developer/Architect (Contract)   Nov 2011 – Feb 2012

Trigger Software
Lead Architect (Contract)   Aug – Nov 2011

Infusion
(P/T) Software Consultant (Contract)   Aug – Nov 2011

Infusion
Software Consultant / Team Lead   Feb 2010 – Aug 2011

Trigger Software
Head of Engineering   Aug 2005 – Feb 2010

Cognition Solutions
Senior Developer / Team Lead   Jun 2002 – Aug 2005

Logica
Software Consultant   Jun 2000 – Jun 2002

FREELANCE ASSIGNMENTS

iFleet Mobile
iPhone Developer   Jan 2010 – Aug 2005

SoPublishing
ASP.NET Developer   Jun 2009 – Feb 2010

Apress
Technical Reviewer   Jun – Dec 2009

For further detail on all of the assignments in these appendix, browse to https://www.linkedin.com/in/simon-paul-taylor.