Angus McCall

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My main goal is to help enable the business I work for achieve their goals, by using the best practices available. I am comfortable working in any of software lifecycle, and enjoy a challenge.

**Core skills**

* OS: Linux, Windows, Mac
* Databases: Postgres, Oracle, Sql Server, MySql
* Source code: Git, subversion
* Java: Spring, Hibernate, IBatis, JBPM, Drools, Rest, MQ, JMS, Mule
* Front end: SpringWeb, Jsp, AspectJ, JQuery, GWT, Tapestry, Node
* Scripting: Python, Perl, Groovy
* Testing: Mockito, Cucumber, Fitnesse, JUnit
* Build: Maven, Ant, Grunt, Jenkins, Nexus, Artifactory, Docker, Npm
* Server: JBoss, Tomcat, Websphere, Jetty



Full stack developer / Devops Contract

October 2018 - Current

*Supporting client delivery, before moving into architecture and technical enablement tasked with modernising the current workplace benefits platform.*

* Worked with management to save the department over 20% of yearly budget
* Developed critical path to deliver new client demand alongside continuous improvement project
* Helped architect future vision, for CI, deployment pipelines, also identified future microservice options
* Deployed new quality gates, including black duck security and many other automated quality gates
* Designed, implemented and migrated to multi pipeline jenkins jobs
* Advised on architecture, development, testing, release and deployment strategies



Senior Full Stack Developer Contract

March 2014 - October 2018

*I worked in two scrums doing support and full stack development, focused on improving the customer journey.*

* Supported existing software and added created new services to support the fulfillment of orders
* Developed new sales pipeline, using microservices, for all sales channels, worked across the whole lifecycle, from high level business needs, created designs, spiked, implemented, reviewed, and tested
* Developed case management tool for support using MQ
* Services had to be high availability, so used a mixture of synchronous and async technologies
* Created a custom pricing engine, which had to work with old data. This was implemented using a priority queue design, to be reused across several business areas
* Improved agile methodologies by measuring and reporting on existing processes
* Led various streams of business critical work, with hard to meet deadlines



Development Lead Contract

February 2013 - March 2014

*Develop standards around Application Lifecycle Management. This included working with multiple external partners from designing to delivering new modern processes and practices.*

* Enhanced processes for requirements, design, development, automated testing, release management and configuration management
* Worked with UAT teams to streamline and formalise release procedures into all environments
* Delivered workshops in JUnit, HttpUnit, Java, Ant, Maven, Jenkins, SVN, Oracle BPEL and SOA
* Modelled telemetry infrastructure, contributed to service now modelling
* Quality checked outsource partner designs, strategies and implementations
* Worked with projects to reduce overspend and hit deadlines by working smarter
* Implemented new testing strategies
* Developed framework to measure success of project code quality bugs per release
* Responsible for working with multiple teams to get the best out of new cloud services

Senior Full Stack Developer Contract

June 2012 - Feb 2013

*Worked in team helping support and extending applications as needed. Developed new rules engine software to deliver flexible and customisable customer integrations.*

* Extended existing internationalisation code for customer reporting functionality
* Completed POC and introduced rule engine software (JBoss Drools)
* Delivered MAC MMP side of project was involved in full project lifecycle, Java, Spring and Drools
* Advised on SCRUM best practices, this was the first agile project they had run
* Worked with BA’s and UAT teams to define scope for sprint
* Reviewed / peer reviewed several projects at various stages

Full Stack Developer Contract

December 2010 - June 2012

*Delivered online policy tool viewer. Enhanced current testing strategies. Worked on customer optimisation project developing html email functionality and implemented in-house development standards.*

* Worked using, Java, GWT, Tapestry, SQL server and Rational Team Concept
* Integrated solution with Tapestry portals, Active Mq
* Developed new processes by advising on use of Artifactory, Maven, Sonar and Jailer
* Set-up Maven repository using Artifactory, installed Jenkins
* Investigated web site to pdf generation options
* Developed customer registration processes using inhouse current security services
* Developed html email solution using velocity templates, and spring batch jobs
* Designed new email functionality using velocity templates



Software engineer

March 2007 - December 2010

*Worked on existing and green field projects. Since joining, the company now uses CI, TDD and runs agile projects.*

* Designed and implemented custom workflow systems
* POC: Apache Tomcat, JBOSS, JBPM, Hudson, JUnit, CPPUnit, Active Mq and rest services.
* OS Workflow, JPBM and Jack Rabbit
* Created distributed file transfer mechanism
* Developed the testing frameworks for four of the business critical systems
* Enhanced user interface by using paging, Ajax and JQuery
* Introduced Continuous Integration and Test Driven Development frameworks
* Elected Communication Forum Delegate Lead and Chairman of Social Committee



Software Engineer

July 2005 - March 2007

* Developed new medical imaging software, using C, C++, python, and perl.
* Worked on multi-module framework to develop new medical applications in 6 months.
* Developed custom automated test framework using Python.
* Planned and designed new parts of products, including gathering requirements.
* Developed the licensing for software using Sentinel and C#.
* Responsible for meeting with the client installing systems and testing team and ensuring standards are maintained.
* I helped develop training schedules for new starts with in the company



Software engineer Honours project and Summer Placement

July 2004 - July 2005

Created library that utilised custom biometric fingerprint algorithm to classify fingerprints.

**Education**

* 2:2 Honours degree Applied Computing Dundee University 2005
* A-Levels: A(Maths),B(Physics),C(Design technology)

**Additional Courses**

* Scrum master 2011
* Linux and Spring 2009
* Postgres 2008