

Waqas Arshid | waqas@arshid.me | +44 (0) 7748751572

Highly adaptable software engineer with over 8 years of experience developing performant and robust systems and platforms. Believes in being product and data-driven and making the best decisions for the end-user. Passionate about delivering quality and reliable software that makes a difference. Core expertise in Java with proficiency in JavaScript, cloud services and dev tooling.

Technologies

Coding: Java 17, Spring Boot, JavaScript/Typescript, ReactJS.

AWS: API Gateway, EC2/ECS, S3, DynamoDB, EventBridge.

Infra: Terraform, Docker, Kubernetes, Jenkins, TeamCity.

Employment

Senior Software Engineer

Moo

Remote / London

Jul 2022 – Oct 2023

- Designed and deployed (**Docker, Kubernetes**) new microservice (**Java 17, Spring Boot**) to transfer print jobs to specific print servers – reverse-engineered existing bash script for file transfer which vastly improved testability and maintainability.
- Integrating with third-party shipping providers and analysing our physical shipping process to provide the most business value i.e. minimise cost and increase efficiency.

Responsibilities include: Software Design/Development, Performance Monitoring, Support.

Tech used: Pact Testing, Docker, Helm/Kubernetes, ArgoCD, Kibana, Grafana, Artifactory.

Senior Java Developer

Version 1

Edinburgh

Feb 2022 – Jul 2022

- Implementation and handover of a data migration/backfill affecting over 300k data records (using **Java/Spring Boot**) updating several attributes and ensuring data integrity.
- Optimised the migration to take approx. 5-6 hours as opposed to 3-4 days, a 5x improvement by minimising API calls and using Java Streams.

Responsibilities included: Mentoring, Pairing, Code Reviews, Build Fixing.

Lead Product Engineer

Air Menzies International

Edinburgh

Sep 2020 – Feb 2022

- Senior developer on two projects; an on-prem legacy web application (**Java 8/11, Spring, ReactJS, Tomcat, Hibernate, Oracle**) and a greenfield micro-service platform running on AWS (**API Gateway, Lambda, EC2/ECS, S3, DynamoDB, Terraform**).

- Responsible for system design and build-out of service-oriented architecture on AWS to support a rapidly growing business with freight-forwarding opportunities on a global scale.
- Lead on technical goals such as improving code quality and code coverage metrics.
- Monitored performance and maintenance of legacy web applications.

Responsibilities included: Software Design, System Architecture, Releases/Deployments.

Tech used: Spring Boot, ReactJS, Tomcat, Jenkins, TeamCity, Docker, Artifactory, Git.

Software Engineer

NCR Corporation

Dundee

Nov 2019 – Mar 2020

- Developed features and fixed bugs on new Terminal Handler product (**Java/Spring**).
- Wrote automated tests (**Cucumber**) to provide regression testing for new functionality.
- Diagnosing and rectifying build issues (**Subversion/Jenkins**) and communicating these out to the wider team to ensure smooth delivery of incremental snapshots (**Nexus**).

Tech used: Spring, AngularJS, Hibernate, Cucumber, Tomcat, Jenkins, Nexus, Subversion.

Java Developer

BJSS – Disclosure Scotland

Glasgow

Aug 2018 – Sept 2019

- Senior developer on Safeguarding delivery team producing BPMN software (**Activiti/APS**) to process Disclosure applications and perform vetting of applicants.
- Wrote data validation framework (**Java/Spring**) to streamline application processing
- Integrated BPMN software with internal services (**REST/Spring Boot**) to store and retrieve application data to enrich business decision-making.

Responsibilities included: scrum/agile ceremonies, support/triage, releases.

Tech used: Activiti/APS, Spring/Boot, Docker, Selenium, Cucumber, Jenkins, Nexus, Git.

Software Engineer

Encompass Corporation

Glasgow

Sept 2017 – Aug 2018

- Integrated with public **REST APIs** to provide key regulatory information across various jurisdictions including USA, South Africa, Singapore and Luxembourg.
- Developed a tool in **Spring Boot** to run queries against **MongoDB** to reconcile customer data to validate the integrity of our audit trail.

Responsibilities included: Agile ceremonies, feature release co-ordination, L3 support.

Tech used: Spring, Tomcat, AngularJS, Selenium, MongoDB, Freemarker, Bamboo CI, Git.

Software Engineer

JP Morgan Chase & Co

Glasgow

Sept 2016 – Sept 2017

- Developed core services to handle validation and exception management (**Spring Boot**)

- of financial instruments as part of re-engineering of a global reference data platform.
- Wrote **Oracle SQL** stored procedures to rectify data quality issues when processing and staging raw vendor data.
- Smoke testing of application components to ensure data flows smoothly downstream.

Responsibilities included: releases, sprint planning, retrospectives.

Tech used: Spring/Boot, Tomcat, Oracle, Informatica, Maven, Jenkins, Git.

Web Developer

Findmypast

Dundee

Feb 2016 – May 2016

- Launched new datasets and user tools rendered on **ASP.NET** web templates.
- Made enhancements to central fulfilments and licencing system using a bespoke royalty calculation and reporting algorithm to improve system performance.
- Designed a four-step re-architecture plan with Customer Services team to incrementally deliver value in time-savings and better app performance.

Tech used: ASP.NET, TeamCity, Hangfire, PlantUML, Git.

Technology Analyst

Barclays

Glasgow

Aug 2014 – Feb 2016

- Developed backend functionality (**Spring MVC**) for Premier Banking application suite, including data refinements and performance enhancements.
- Enhanced core business applications such as a portfolio management (**ExtJS**) and generating client reports (**Apache FOP**).
- Advocated use of **Parasoft Virtualise** and **SOAtest** (service virtualisation and API testing tools) by building internal prototypes to mock REST calls utilising WADL interfaces.

Responsibilities included: Release Coordination, L3 Application Support.

Tools used: Spring, Maven, Tomcat, Apache FOP, ExtJS, Subversion.

Education

BSc (Hons) Computer Science

Upper-second class (2:1) degree

University of St Andrews

Sep 2011 – Jun 2014

Dissertation topic: ‘*Visualisation Tool for Software Architectures*’

Applied the GRASP ADL to an interactive visual representation with constraint modelling, which can be modified by a system architect. Implemented in Processing – a Java graphics processing framework.

Computer Science

Passed First Year with Merit

University of Strathclyde

Sep 2010 – May 2011