## **Summary**

Software Engineer at The Very Group, thriving since joining through their Career Returner's Programme. With over 15 years of technical expertise, I've excelled in my current role for the past 14 months. A seasoned developer with a solid foundation in cloud development, specialising in designing and developing cloud components on AWS Cloud and Oracle Cloud. In my current role, I drive efforts to enhance the customer experience for retail clients and suppliers through seamless product and invoice management flows. My responsibilities also include processing data from diverse legacy systems, ultimately integrating it into new product information systems and frontend web and mobile applications. Prior Extensive background in VB.net, C#, Objective-C, JavaScript, SQL Server, Siebel technologies, Openet Technologies, and Umbraco.

**Technical Expertise**

* **Cloud Technologies:** AWS Cloud, Oracle
* **Cloud Core Services:** API Gateway, AWS Lambda, S3 Buckets, Dynamo DB, Aurora DB, SQS Queues, SNS Messaging, AWS Glue
* **Monitoring:** Elastic Observability Platform
* **Development Language:** Java with Quarkus framework and Gradle build environment **Development Practices:** Agile, TDD (JUnit 5, Mockito)
* **Infrastructure as Code:** Terraform with HashiCorp HCL
* **CI/CD:** Jenkins, GitLab
* **Development Environment:** AWS CLI, IntelliJ Idea
* **Supplementary Tech Stack:** Node.js, JavaScript, MySQL, Maven, Cloud 9, Oracle Cloud Integration Services

### **Experience**

Software Engineer: The Very Group

Nov 2022 – Present

*Project: Flexible-Fulfilment Model (FFM)*

* Key contributor in brand onboarding, managing a complex system for product management and invoicing, facilitating the monthly onboarding of 6,000 new products.
* Conceptualised and designed a reporting component using AWS Lambda, Log Insights, CloudWatch, and S3, effectively identifying and resolving product flow bottlenecks. Improved visibility, reduced troubleshooting time, and enhanced supplier relationships.
* Successfully re-architected the enterprise event hub flow, simplified solutions, and assumed ownership following the release of contractors. Collaborated closely with team members, provided support to QA's, ensuring robust testing of software components.
* Undertook responsibility for Oracle Cloud Integrations, managing patches, monitoring queues, and troubleshooting errors. Facilitated the handover of Oracle systems post the release of Oracle contractors, ensuring system stability and recognised company-wide for positive contribution.
* Collaborate extensively with cross-functional teams, fostering a culture of knowledge sharing and collaboration.
* Actively engaged in training and mentoring junior colleagues, contributing to their professional development.

*Project: Akeneo PIM*

* Worked on enterprise systems migration to Akeneo PIM, contributing significantly to the design of error management systems, utilizing DLQ's, alarms, and Elastic Monitoring, serving to increase fault tolerance.
* Decomposed pivotal system components for increased cohesion, simplicity, and manageability.
* Implemented extensive unit tests in legacy code, achieving 80% code coverage for all services, enhancing development processes, and promoting Test Driven Development practices.
* Designed and implemented a crucial component for the Approvals process in Akeneo PIM, ensuring controlled product changes.
* Instrumental in setting up a Software Engineering Community of Practice.

#### **Mental Health Practitioner: Lanarkshire Association For Mental Health**

May 2018 – Dec 2022

Community based mental health support. Supporting people with long-term and serious mental illness transition from hospital to community living.

***Freelance Software Developer: LadyBug Design***

July 2015 – Aug 2017

Web and mobile development and social media consultancy. Local business development.
VB.net, SQL server, JavaScript, Sensha-Touch, Objective-C.

***Software Developer: GT4 Design + Web***

Feb 2016 – Oct 2016

Provision of web and mobile web apps and CMS for national businesses. Umbraco, C#, VB.Net, SQL Server. MVC and Entity Framework web systems.

***Mobile Developer: 360 Digital Marketing***

Nov 2014 – Dec 2015

Provision of digital marketing packages for national business including web, mobile and social media packages. Development of custom-built mobile app for corporate events.
Android, IOS and Web based mobile development. C#, Java (Android SDK) and Objective-C. Visual studio, SQL Server, Eclipse, and GitHub.

#### **Software Engineer: BT Group OpenReach**

Feb 2001 – Jan 2012

Enterprise systems migration to Siebel CRM on BT Broadband and Local Loop Unbundling projects. Billing and SLA's migration to Openet. Fast Track Agile Development team. Siebel Certified Consultant; Microsoft Certified Developer (MCD): SQL Server; Openet Active Charge & Active Rate certification. Additional toolset included Oracle, Visual Basic and Software Design using UML. Member of British Computer Society.

#### **Junior Software Developer: Mona Computing**

March 2000 – Feb 2001

Microsoft Solutions Provider and Deloitte Fast 500 winners. Recommended by University for role as being top student in Software Engineering. Development of multi layered online education systems for national MBA and Technology certification programmes.

Visual Basic 6, Web Classes, COM+, SQL Server and MS Active Directory. Undertook Microsoft Certified Solutions Developer pathway and IBM XML Certification.

### **Education**

UHI: MSc Postgraduate, Psychology (Merit): 2020 – 2022

University of the West of Scotland: PGDip Information Technology with Web Development (Distinction):1999 – 2000

#### University of Glasgow: MA Social Science: 1994 – 1999

North Lanarkshire College: NC Counselling: 2017 – 2018

#### The Open University: Certificate of Higher Education in Arts & Humanities: 2012 – 2015

Current Learning Path: AWS Cloud Practitioner