

# ALLEN FIRTH

ARCHITECT / DEVELOPER

BCOM (INFORMATICS) 2004

+27 (0)60 840 7793 / [allen@codestream.co.za](mailto:allen@codestream.co.za)

## PROFILE

Allen has over **19 years** of experience in software architecture and development, project management and software team leadership. He is highly skilled in Microsoft technologies, patterns, practices and tools. Allen has extensive experience in object orientated architecture and systems design and development as well as coding practices, specifically test-driven development, agile and XP approaches.

He has been exposed to various industries and sectors as well as to all aspects of the software development lifecycle from project conception through analysis, design and implementation and finally to, deployment, maintenance and support of the final product.

## SKILLS

C#	Asp.Net Core	Angular	NodeJS
SQL Server	MongoDB	Azure	TeamCity
Azue DevOps	Git	CI/CD	Docker
Entity Framework	Unit Testing	Integration Testing	IonicPro
HTML5	JavaScript	CQRS	TypeScript

## EXPERIENCE

### **2017 - CURRENT: Director, Architect, Developer of CodeStream.**

Allen is currently working on various projects for [The SPAR Group](#).

#### *SPAR Group - DataLake and Reporting System*

This project involves various disparate legacy data storage systems from which operational data is sourced and replicated into a central modernized data lake using **Microsoft SQL Server**. In addition, API endpoints are being built using **C#** and **Asp.Net WebApi** to provide a reporting and data investigation capability to business on top of which rich and useful applications can be built by the business. Various operational admin consoles have been built using Angular.

#### *SPAR Group - Store & Vendor Master Data Systems*

These master data applications are highly distributed across multiple core backend enterprise systems such as SAP, iSeries/AS400 and custom SQL Server databases. Technologies such as IBM Process Server & Integration Bus are used to co-ordinate messaging and workflow across the various backend system boundaries. The user interface was developed using Angular and integrates directly with numerous .NET & SAP Api's. Allen played an integral role in co-ordinating the various development teams and managing sprint work as well as development of the user interfaces and .NET Api's.

#### *PROfiltr – Connecting professionals with Small Business Accounts – United Kingdom*

Allen worked remotely on a United Kingdom startup application which aimed to connect professionals with accounting service providers. The application was built using the MEAN stack of technologies (MongoDb, Express, Angular & NodeJs).

#### *CashRewards.com.au – Backend Administrative Systems - Australia*

Allen worked remotely with a team in Australia building a new backend administrative systems for [CashRewards](#) aimed at supporting their business workflows. The project involved the development of an Angular admin console which integrated with PHP Api's.

### **2015 – 2017: CTO, SMEasy (FinTech startup)**

Allen was CTO for a small FinTech start-up operating out of Durban, South Africa. SMEasy provided an easy to use online accounting package for small to medium enterprises. In the time Allen was at SMEasy he was instrumental in redirecting the architecture and technology choices of the product as well as leading and directing a near re-write of the system using modern frameworks and introducing cutting edge development practises to the development team. SMEasy was developed using **Angular, C#, Asp.Net and Microsoft SQL Server, TeamCity, Azure**.

### **2008 - 2014: London, United Kingdom**

Allen spent six and a half years plying his trade as a sought-after software developer in **London**. He gained experience working with top talent in large corporate environments such as [Man Investments](#), [BritInsurance](#) and [Freshfields Bruckhaus Deringer](#). Allen spent the last three years in London working for a Software development consultancy called [Digiterre](#) and working on various projects for the likes of [EDF](#) and [M&G Asset Management](#).