# Samir Zafar | Software Engineer

[chaudharysamirzafar@gmail.com](mailto:chaudharysamirzafar@gmail.com) - 07456979575 - UK, Manchester - [LinkedIn](https://www.linkedin.com/in/samir-zafar-6b59111bb/) - [GitHub](https://github.com/ChaudharySamirZafar)

## **Profile**

A software engineer with a passion for creating innovative and creative software solutions. I am currently contributing towards enterprise-level software and evolving my development, testing and maintainability methodologies. I am continuously upgrading my skills as a software engineer.

## **Key Skills**

* Programming experience with Java, C#, C++ using OOP & other key concepts.
* A strong emphasis on maintainable & clean readable code.
* Experience with Android Development
  + Successfully implemented a Change App Icon feature into Capital One application.
  + Earned the mission Impossible award – “Releasing features on Android despite many problems”.
    - This feature was set out for the interns because my seniors thought it would be simple. This feature wasn’t a native feature on Android. So as the Android developer I faced a lot of challenges, but I still managed to complete this feature before the targeted code cut.
* Experience with full stack development
  + Creating a competitive coding (player vs player ) and algorithm-style question practise leetcode application using React.js, Springboot & MySql.
  + Created a pipeline using GitLab to automate CI/CD & generate test reports.
    - This helped with feature development in my personal project. When I would create new pull requests the pull request would only be approvable once the pipeline is green. This helped me ensure the new code that I have just added is robust and doesn’t break any pre-existing code.
* Experience with commercial level applications
  + Worked with Lighthouse Systems web application that helps product millions of products in manufacturing factories.
* Experience with AWS
  + Hosted a project on AWS & worked with the cloud service during my time at Capital One.
  + Services used – Lamba, EC2, S3 Bucket, API gateway, RDS.
* Test Driven Development
  + Developed new features in Capital One & Lighthouse Systems using TDD.

## **Work Experience**

**The University of Salford** Salford, Manchester (September 2022 – present)

**Academic Computer Science Tutor, Part-time**

* Supported first year students learn and understand the fundamental computer science concepts in different modules. This included me helping them with assessments and workshop learning.

**Capital One** Nottingham, UK (June 2022 – September 2022)

**Software Engineer, Internship**

* Developed a Change App Icon feature in the Android Application
  + This feature offered the customers a chance to customise their Capital One mobile application. It also helped customers understand how diverse Capital One are as we included multiple icons such as Black history month, pride & many more.
* Conducted Unit, Screenshot, Functional, Device, UI & Manual testing.
* Developed a website using React.js & Cypress (testing framework)
* Worked within a team that used agile techniques.

**Lighthouse Systems Limited** London, UK (July 2021 – July 2022)

**Software Engineer, Internship**

* Worked with technologies such as – Entity Framework, .NET, .NET core, SqlServer, Oracle & MySql
* Regularly improved existing implementations through refactoring & modernisation
  + The core functionality of the application relied on stored procedures, but this caused maintainability issues. If we had a customer that used SqlServer & another customer that uses Oracle, then we would have to define the stored procedures twice. So, I Migrated the core functionality of the system from stored procedures in SQL to Entity Framework in .NET core making the code more maintainable and centralized.
* Reviewed code and conducted Unit, Integration, Acceptance & Regression testing.
* Worked within a team that used agile techniques.

## **Education**

**University of Salford** Salford, Manchester UK (2019 – 2023)

* Bachelor of Science – Computer Science with professional experience

Overall degree mark – 85.5% - First Class Honours