

SAMEERUL HAMEED SAHABUDEEN

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Portfolio: <https://sameerul97.github.io>

Profile

A final year Computer Science student who is predicted a 2.1, with experience developing Full stack Web Application using Python, JavaScript and TypeScript. Experience with NoSQL (MongoDB) and SQL Databases focusing MEAN, MERN stack. Good understanding of C# and OOP knowledge. As a master's student, enjoys programming and manages time wisely to complete personal projects outside of academic work and self-motivation. Implemented open source projects as well as creating library for front end developers. Moreover, has been a confident team leader and takes on challenges with a can-do attitude. Aspiring to become a Full Stack Developer.

Education and Qualifications

University of Hertfordshire (UoH), Hatfield

Sept 2015- Present

MEng (Hons) in Computer Science

Relevant modules:

- Programming (1st year)
- Algorithms and Data Structures (2nd year)
- Computer systems security (3rd year)
- Models and Methods (1st year)
- Computer Science Development Exercise (CSDE) (2nd year)
- MEng Group Project (3rd year)

Leyton Sixth Form, Leyton

Sept 2013- June 2015

- BTEC Certificate in ICT: **Distinction**
- BTEC Subsidiary Diploma in Law: **Merit**
- BTEC Subsidiary Diploma in Business: **Distinction**
- Financial Studies: **C**

Little Ilford School, Ilford

Sept 2009- June 2013

8 GCSEs grades B-C (including Mathematics and English)

Technical Skills

- Java
- C, C++, C#
- PHP
- HTML
- Linux
- SQL
- Web Service (REST API)
- Git
- Python
- CSS
- JavaScript (Node JS)
- Angular / React / Vue

Other Skills

- Team work– created good connections with peers and communicated ideas clearly to accomplish university projects
- Time management- managed time efficiently by successfully completing academic projects while doing personal projects.
- Problem Solving- an alternative method was used when attempts were made to improve the position of a draggable button for the MEng Group web application project.
- Flexibility- open-minded to execute new tasks by learning new technology for web application project
- Adaptable- have undertaken tasks within a group environment and individually

Key Achievements

- Created a web application as Web Freelance for Sahab Solicitors
- Proactive during scrum meeting with Sahab Solicitors.
- Became a team leader during a university project
- Pair programmed when building a web application for a local NHS centre project
- Experiencing and using agile planning in projects at university
- Acquired technical competence with Bitbucket / Github
- Experienced using the entire software lifecycle during team and individual projects

Relevant Work Experience

Web Freelancer, Sahab Solicitors, Ilford

Sept 2017- Jan 2018

- Created a successful website to inform the types of service available for clients
- Used Linux, Apache server, My SQL and PHP using LAMP Stack framework
- Created a contact form to allow clients to contact the solicitor
- Used PHP Mailer to implement Email Automation
- Created responsiveness and UI by Bootstrap
- Added Custom CSS3 Media query
- Took part in scrum meetings to discuss my progressions
- Link to project: <http://www.sahabsolicitors.co.uk>

When maintaining the project, changes were made:

- Migrated from apache server to Nginx server. Performance of nginx server was better in terms of load balancing as this website was hosted in Raspberry Pi.

Web Freelance, Cool Beats

August 2018 – September 2018

- Start-up required a quick Single Page Application
- Created a SPA using Angular, Used Bootstrap 4, Responsive design, Modern UI
- Link to project : <https://sameerul97.github.io/ecomapp.io/>

Other work experiences:

Casual Sales Assistant, Sports Direct, Romford

July 2017 – Jan 2018

- Dealing with customer's issue's by giving them direct information that reaches their needs
- Tidied shelves in time management for customers to be enticed by presentable stock on shelves
- Worked in teams to undertake various tasks in store, such as stocking
- Serving customers on tills with great enthusiasm and use appropriate body language to satisfy customers
- This was a flexible role that helped me improve my retail skills and also, managed my time appropriately with my university commitment

Personal projects

React, Angular, Vue Store (Full Stack Development) (Dissertation)

- Created an E-commerce application in three JavaScript frameworks.
- Implemented an RESTAPI in Node JS, Mongo DB.
- Hosted the backend application using Raspberry Pi server
- Explored the differences and similarities within the framework such as data binding
- Explored state management and implemented using (Redux, Vuex)
- Identified the strengths and weakness of the frameworks.
- Enables user to write reviews, ask questions and post answers.
- Deployed on Heroku platform
- Link to Front-end: <http://reactstore.sameerul.com/> / <http://myvuestore.herokuapp.com/#/>
- Link to Back-end: <http://ecomapi.sameerul.com:3009/allPhones>

Full Stack Web Development

- Online note taking web application (Replicating Evernote or One Note)
- Used MEAN Stack, MongoDB, Express JS, Angular 2+, Node JS
- Created the backend RESTful API using Express framework
- Used Postman to test the RESTful API
- Implemented user authentication to enable secure access for user
- Designed the API with JWT (JSON Web Token) to restrict unauthorised access
- Used NoSQL MongoDB as Data house
- Deployed Angular application to Heroku
- Hosting backend REST Api in Raspberry Pi from home
- Link to project: <http://angula-app.herokuapp.com>

Crossmydiv (Open Source library)

- Created a Front end library written in JavaScript, HTML, CSS
- Enables user to easily implement slant looking div
- Enables user to customise div through the API provided
- API written in JS, enabling user to style the div according to their need
- Documentation are written
- Link to project: <https://github.com/sameerul97/crossmydiv.io>
- Demo: <https://sameerul97.github.io/crossmydiv.io/>

Currency Converter Pro

- Created an Android application which fetches live currency rates from an opensource API known as Fixer.io
- Used Java SDK
- Designed the user interface according to guidelines of google material design
- Used http library from Java SDK to make http calls to the API
- Displayed the fetched JSON data in a presentable manner to the user
- Data displayed are real time
- Programmed to save last used currency by the user in local storage
- Programmed to calculate two currency rates by the user

References available on request