

Hamza Umar Farooq Ghani

📧 <https://www.hufghani.dev/>
[linkedin.com/in/hamza-u-f-ghani](https://www.linkedin.com/in/hamza-u-f-ghani) | github.com/HUFGhani

Education

The University of Manchester

PGDip Advanced Computer Science within Software Engineering, 2017–2018
Pass

Manchester Metropolitan University

BSc (Hons) Software Engineering with Sandwich Year, 2014–2017
First Class Honours

The Manchester College

FdSc Computing with Database Development (Accredited by University of Salford), 2012–2014
Distinction

The Manchester College

BTEC Level 3 National Diploma in IT (Software Development), 2010–2012
Merit Pass

Experience

BOOKING.COM

Software Engineer

Manchester

October 2020 – present

On Completion of the Graduate Software Engineer scheme I was promoted to a Software Engineer position, where I been working in Booking Engine team to build Cell Based Architecture for Booking Engine which would replace the existing Booking Engine Monolithic service to micro service architecture and only have a single API endpoint which clients could interact with the Booking Engine service. This allow me to write contract testing (Pact tests). I had to opportunity help improved the way of working within team and mentoring less experienced members of the company in technologies adopted by the company.

BOOKING.COM

Graduate Software Engineer

Manchester

September 2018 – October 2020

A Graduate Software Engineer scheme provide me opportunity to rotate around the business to learn and gain new skills and new techniques and technologies to build high quality reusable highly maintainable libraries or API solutions either for the front-end or back-end, which be written in Java, JavaScript/Typescript and CSS. Also utilising frameworks such as Spring Boot, React and other frameworks, to create scalable Micro Service and front-ends. In addition also worked with Kafka message broker to build a resiliency mechanism within the Booking Engine to hand our peak period of traffic, our downstream services are not overloaded. To delivery these high quality libraries and API solutions which are built in collaborative environment within a team, by doing pair-programmer or mob-programming, with Agile principle like Extreme programming (XP), Scrum and Kanban and gathered team metrics and used them as a basis to experiment with different ways of working to help improve team metrics and team health.

TEAM NETSOL

Junior Software Developer

Manchester

July 2015 – August 2018

Gathered requirements, maintained and tested many of Team Netsol's product. After being impressed with my performance I was kept on following my sandwich year as part-time staff. The projects I work on were written in Java, Scala ,Python and Jython, which utilises a range of Spring project to create web applications that would be deployed both on a local servers and Amazon Web Services (AWS).

Project

MASTER PROJECT **Manchester**
Emergency Airways 2017–2018

This project will prototype and develop a life-saving app, aimed initially to enhance training for the management of critical airway emergencies and, later, to assist with early emergency response. An existing collaboration with the Manchester University NHS Foundation Trust's intensive care unit will provide initial functional specifications and facilitate testing. It is expected that the software developed will be Open Source to benefit the wider community and later integrated and released in a wider effort for enhancing the delivery of training and care across the NHS.

FINAL YEAR UNDERGRADUATE PROJECT **Manchester**
The Intelligent Room: Construction of Smart Devices to enhance everyday experiences 2016–2017

Final year Project that used current smart (IoT) device and built our own IoT device with Raspberry Pi and Phidgets kits, which communicated with each other. The technologies that were used were Java, Apache Maven, Javascript, MySQL, MQTT Broker, Android Development, Tomcat, AWS, Philips Hue API and Nest Thermostat API.

ALEXA ROOM SERVICE **HackKing 3.0, London**
Just Eat Challenge Winner 2016

Amazon Alexa skill that allowed the user to check into there hotel room, it was also integrated SMS chatbot to take in room service order. the skill was deployed to AWS lambda via claudia.js. The technologies that were used were JavaScript, Node.js, Twillo API and AWS lambda.

ALEXA RUSSIAN ROULETTE **HackSheffield 2.0, Sheffield**
3rd place winner 2016

Amazon Alexa Skill that adapted the famous game Russian Roulette to the modern era. The Alexa Skill was built using JavaScript and was hosted on the AWS lambda. It also utilised Capital One's Nessie API to provide realistic bank transactions.

Additional Skills

Driving license: is just as good

Languages.....

Punjabi: Mother tongue

Urdu: Mother tongue

English: Fluent

Interest/Hobbies and Extra-Curricular Activities

When I am not working, I enjoy learning how to cook. I feel it is important to have this knowledge not only for practical purposes, but also for cultural reasons. With my culinary skill I am able to have both a creative side and a logical side. This allows me to take a diverse approach in my thoughts and opinions towards all societies. I also attend and volunteer at hackathons. As I believe that hackathons challenge me, and allow me to socialise with other contestants which have the same passion for technology much like myself.