Jonathan Knight

Software Developer
Chichester
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I am a software developer currently studying MSc Computer Science part-time at the University of Bath.

My experience is primarily in front-end web development in React, as well as in building software using various languages of both procedural and object-oriented paradigms.

Solving code problems is a passion of mine, and I strive to be an effective communicator and team member, working with others to create clean and functional software to bring to the end user.

Personal Details

Driver's License: Cars
Eligible to work in the UK: Yes
Highest Level of Education: Bachelor's
Industry: Software Development

Work Experience

Agile Team Member
March 2022 to April 2022

I worked as part of an Agile team to develop a terminal based digital disruptor bank for a major assignment as part of my Master's in Computer Science.

In this team I played various roles such as product owner, scrum coach and scrum team member on a weekly sprint cycle. I learned how to work as part of a team to develop software that is tailored to the specifications of a product owner and attractive to the end user.

As a part of my roles I developed key features of the software such as account creation and admin database handling features, and was involved in refactoring and documentation of our code.

The most important lesson I learned throughout this process is how effective communication with your team makes the software development process exponentially smoother and quicker, as well as a much more enjoyable experience. I also learned that working on code with others is a great way to keep your code clean and bug free, through regular refactoring and clear documentation.

This valuable experience has been a great insight into the world of working as a software developer, and has left me feeling well prepared to join a real team and start building software for product owners and users to use.

Education

Master's in Computer Science
University of Bath - Bath
September 2021 to Present

Bachelor's in Contemporary Music Performance
University of South Wales - Cardiff
September 2018 to July 2021

AS Level in Further Mathematics
Barton Peveril Sixth Form College - Eastleigh
September 2017 to July 2018

A Level in Psychology
Barton Peveril Sixth Form College - Eastleigh
September 2015 to July 2018

A Level in Mathematics
Barton Peveril Sixth Form College - Eastleigh
September 2015 to July 2017

A Level in Philosophy
Barton Peveril Sixth Form College - Eastleigh
September 2015 to July 2017

AS Level in Physics
Barton Peveril Sixth Form College - Eastleigh
September 2015 to July 2016

Skills

- Java (1 year)
- Python (4 years)
- HTML5 (3 years)
- CSS (3 years)
- JavaScript (3 years)
- React (2 years)
- Node.js (Less than 1 year)
- Drum Kit (10+ years)
- Bass Guitar (10+ years)
- Guitar (10+ years)
- Keyboard (3 years)
- C (1 year)
- Git (3 years)
- GitHub (3 years)

- Agile (1 year)
- PHP

Languages

- English - Fluent
- Spanish - Intermediate

Links

Certifications and Licenses

Driving License
November 2017 to Present

Additional Information

My secondary passion besides software development is music. I play and listen to all kinds of music from jazz fusion to hip hop to progressive metal.

Throughout my life I've always enjoyed learning and playing musical instruments, beginning with drum kit in primary school and bass guitar in secondary school, through to learning keyboard currently. Since then I've done session work including live performance at local venues and festivals such as the Montreux Jazz Festival. I've also been involved in studio recording with multiple groups on bass and drums.

It is always an incredibly rewarding experience to work with a band to fine tune every element of our playing and create our ideal performance, whether on stage or in the studio.