

# Matthew Hope

## Software Developer Consultant

A professional software developer consultant with 7 years commercial experience, focusing on innovation and leveraging current technologies to build large scale enterprise applications. In-depth experience in requirements gathering, sprint planning, development, design, maintenance, and testing of software. Broad expertise in various platforms, frameworks, and technologies with a proven ability to efficiently lead teams to work in a collaborative way to deliver projects on schedule.

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## TECHNICAL SKILLS

### Frameworks and technologies

Azure, AWS, GCP, .NetCore, .Net Framework, DDD, BDD, TDD, Event sourcing, Message broker, REST API, gRPC, Web Sockets, Docker, Kubernetes

### Expertise

Web Development, Continuous Integration, Artificial Intelligence, Software architecture, Performance optimisation, Business intelligence, Microservices

### Front end frameworks

VueJs, React, KnockoutJS, Angular, Wordpress

### Programming languages

C#, SQL, MySql, NoSQL, VB, Java, PHP, Python, Javascript, HTML, CSS

## SOFT SKILLS

Commercial knowledge

Communication

Creativity

Leadership

Mentorship

Problem solving

Strategic thinking

Time management

## WORK EXPERIENCE

### Software Developer Consultant

Fundipedia - Child company of Atlas Computer Systems Ltd ([www.fundipedia.com](http://www.fundipedia.com))

03/2020 - Present,

Southend-on-Sea

Fundipedia is a FinTech software company created by my current employer Atlas Computer Systems Ltd that provides innovative technology that enables financial institutions to collect, disseminate and reconcile any type of data.

#### Achievements/Tasks

- Architected, developed, and led the production of new microservices and as a result increased the performance, cost-savings, and scalability of Fundipedia.
- Led the R&D and Innovation for Fundipedia which resulted in new business intelligence reporting integration to further equip customers with the data they need to make smart business decisions.
- Applied innovation to leverage a range of new data analytics and comparison technology which resulted in the generation of new sales leads.
- Produced a variety of articles and marketing material for Fundipedia which improved the company profile and improved market exposure.
- Took a leadership role during crisis by mentoring my subordinates to approach complex or catastrophic problems with an open mindset and logical approach resulting in increased service stability and client confidence.

## WORK EXPERIENCE

### Software Developer

Atlas Computer Systems Ltd ([www.atlascode.com](http://www.atlascode.com))

07/2015 - 03/2020,

Soundend-on-Sea

Atlas is a software development company specialising in the creation of bespoke software applications for Microsoft Windows and the web.

#### Achievements/Tasks

- A mobile app for stock management was launched and developed with Nativescript, which eventually led to OS compatibility issues. I took lead on this project and successfully completed a re-write of a mobile app from Nativescript to Xamarin, resulting in better performance, logging, integration, and continued OS support.
- The company consistently had issues with spinning up new instances of products in the cloud. I took the initiative and developed from scratch a cloud infrastructure automation system. Subsequently, this allowed the company to spin up new instances of products with a click of a button, removing all previous manual intervention.
- Successfully created and led a project to develop a new .Net Core REST API for an existing product and as a result, helped us secure new client contracts.
- Applied differential diagnostic to leverage multiple CI platforms for existing products, this resulted in a boost of productivity, reliability and security in the current software development lifecycle.
- Developed and implemented a full caching layer implementation by leveraging Redis which resulted in a huge 99.4% boost in performance of data retrieval.
- Led and managed the development of a new partner portal for an existing product resulting in the onboarding of new partners.
- Completed computer science degree whilst also working full time. This was an extremely challenging time for me as both demanded tasks to be completed on time. This required very high commitment and perseverance, but I was determined to succeed and graduated with a First Class (Hon.) degree.

### Apprenticeship Software Developer

Atlas Computer Systems Ltd ([www.atlascode.com](http://www.atlascode.com))

07/2014 - 07/2015,

Wickford

Atlas is a software development company specialising in the creation of bespoke software applications for Microsoft Windows and the web.

#### Achievements/Tasks

- StaffSquared was launched with the intention to provide HR management in an online solution. However it had many bugs due to legacy issues. I took lead in creating the appropriate solutions which resulted in the eradication of the known bugs within 6 months. Learned the ropes of C# and front-end development which allowed me to further progress to the next stages of my career.
- Successfully completed my apprenticeship which resulted in me receiving a level 3 diploma.

## EDUCATION

### First Class (Hon.) - BSc Computer Science in Digital and Technology Solutions (Software Engineer)

University of Essex

10/2016 - 09/2019,

Colchester

## HONOR AWARDS

Academic Prize: Dean's List for Excellence (2016 - 2017)

University of Essex

- Pass with Distinction awarded and included on the Dean's List for Excellence

## CERTIFICATES

Cisco CCNA 1 (2016 - 2017)

Completion of "Cisco: Introduction to Networks"

## ACHIEVEMENTS

Hacktoberfest (10/2019 - 11/2019)

Hacktoberfest is a month long celebration of open source software run by DigitalOcean.

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## PERSONAL PROJECTS

### [Sound it Out \(07/2020 - Present\)](#)

- Founded and developed a full stack enterprise SaaS product that provides users with an online portal to generate audio books from their files using a range of ML techniques. My passion and enthusiasm led me to create this open source product, I was determined to use the latest technology and best practices.

### [Hostly \(05/2020 - Present\)](#)

- Developed and published a NuGet package called Hostly. Hostly is a .Net Core style host builder for Xamarin forms, which allows consumers to take full advantage of the .Net core ecosystem in Xamarin forms projects.

### [Chatbot \(01/2019 - 09/2019\)](#)

- Developed a pure ML chatbot built using an NMT model paired with a REST API for easy consumption.

### [Clipboard \(07/2020 - Present\)](#)

- Developed and published a NuGet package for easy text extraction from a range of supported file types (.pdf, .docx, .xlsx, .txt, .xml, etc.)

### [Blocker \(10/2018 - 11/2018\)](#)

- Developed a turned based multiplayer game in Java

## PUBLICATIONS

Article

### **.Net core host builder for Xamarin? Yes please!**

10 Jun 2020

<https://dev.to/atleastitry/net-core-host-builder-for-xamarin-yes-please-2hoe>

Article

### **Chatbots? My first machine learning experience**

28 Jun 2020

<https://dev.to/atleastitry/chatbots-my-first-machine-learning-experience-3j70>

Article

### **Compilers - One of the more intimidating projects**

21 Jun 2020

<https://dev.to/atleastitry/compilers-one-of-the-more-intimidating-projects-4fc9>

Article

### **Defining types at runtime? why not...**

31 May 2020

<https://dev.to/atleastitry/having-fun-with-net-s-system-reflection-emit-4j97>

Article

### **Free secure hosting with GitHub pages and Cloudflare**

31 May 2020

<https://dev.to/atleastitry/free-secure-hosting-with-github-pages-and-cloudflare-23hf>

## INTERESTS

Open-source programming: I am passionate in the open-source movement and often create my projects as well as contribute to others.

Writing articles: In my free time I enjoy writing professional articles to share the knowledge and expertise I have gained over the years, many of which have gained significant popularity.