

# Joshua Corne

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English (Native)

Stockholm, SE

A hands-on, hardworking professional with broad experience ranging from web application development to cloud infrastructure for technical firms. My career has covered the full product lifecycle from requirements definition to developing software and architecting infrastructure.

## Objective

To obtain a new technical challenge in a dynamic organization where I can use my problem-solving and engineering skills to build innovative solutions.

## Experience

### Languages

- Typescript
- Python
- PHP
- C#
- HTML/CSS/JavaScript

### Technologies

- Angular
- Django with Rest Framework
- WordPress with WooCommerce
- ASP.NET MVC
- Bootstrap

### Clouds

- Azure
- DigitalOcean
- AWS

## Freelance Consultant

Aug 2018 – Oct 2020, Oct 2022 – Present

Clients include:

### **Ecube Solutions – Full Stack and Infrastructure Developer**

I have worked to develop and maintain their full operational stack from the ground up to replace their outdated mission critical system. As sole developer, I managed the full product lifecycle from requirements gathering to production deployment of 'CIMS'. Following initial release in 2018, there have been many enhancements including feature developments to absorb more of the operation such as logistics and adding support for satellite offices with localisation. CIMS manages the hundreds of thousands of parts processed by ecube from removal to redelivery including imagery. The stack was migrated from on-prem to Azure which included security enhancements to manage the additional attack vectors on the web.

It is architected as a Single Page Application which calls out a REST API connected to a PostgreSQL database.

Technologies in their stack include:

#### Application

- Python, Typescript, PostgreSQL
- Django Rest Framework, Angular, Bootstrap
- mkdocs documentation and user guide
- OpenCensus logging
- Integration with 3<sup>rd</sup> party APIs such as Dropbox

#### Infrastructure

- Azure App Service
- Azure Monitor
- Azure Blob Storage
- Azure Database
- Azure DevOps

### **SkyHigh Skydiving – Web Developer and IT Consultant**

When SkyHigh Skydiving was founded in 2020, I was able to quickly update the static website from the previous owner's branding followed by a full deployment of WordPress which further evolved into an eCommerce shop. I have developed custom WordPress plugin to provide streaming of customer media on their website.

- Custom PHP plugin development for streaming customer skydiving videos and imagery
- Designed and built WordPress with integration of booking system
- Integrated WooCommerce as part of larger Woo strategy to streamline systems
- Google Cloud Identity configuration including SAML and SCIM integration with Entra ID

## Plane Reclaimers – Web Designer

Plane Reclaimers began life as a TV show which needed an eCommerce solution in time for airing. Following this, the website has seen phenomenal growth to deliver tens of thousands of products to customers worldwide and gone through a full redesign to bring new product lines online. I developed features on top of WooCommerce to facilitate the complex nature of their logistics process.

- Designed and implemented WooCommerce site with bespoke PHP functionality for complex requirements
- Migrated production environment from AWS Lightsail to new host to facilitate growth economically
- Ran project with marketing to develop a redesign of the website and improve user experience
- Deployed and managed additional software for SMTP, marketing and customer service

## Ecube Solutions

Oct 2020 – Feb 2022

Having developed a working relationship through software engineering for ecube, it became apparent their IT function was experiencing growing pains. At the time of joining, the company did not have a stable internet connection, no security or compliance controls and no management of IT. I started a programme of securing and enrolling computers from the BIOS up to the cloud. The following months saw a revolution in productivity and security across HQ and satellite offices with excellent feedback from staff.

- Deploy, configure, administrate 365 and Azure including Office, SharePoint, Defender, Intune and Entra
- Develop low-code and scripting solutions to automate processes using Power Platform and Azure
- Responsible for security and drove Secure Score to >80%, deployed Zscaler as part of SASE strategy
- Ran procurement and implementation project to enrol company into new VoIP system
- Managed on-site infrastructure and deployed 2x growth of HQ LAN due to accelerated company growth
- Develop and support partnerships such as a new Microsoft CSP, SaaS providers and hardware suppliers
- Help users with day-to-day issues as sole IT point of contact
- Package, deploy and manage business applications

## Legend Club Management Systems

Aug 2016 – Aug 2017

Full Stack Software Engineering Intern (fulltime one year)

- C#, ASP.NET MVC, MS SQL, Bootstrap, KnockoutJS
- Agile development environment utilising Azure DevOps
- Initial involvement with QA and 3<sup>rd</sup> line support

## Education

### MComp Computer Science (2:1)

Newcastle University | 2013 – 2018

- **First Class** BSc project interfacing cars with smartphones
- **First Class** MComp project in digitising skydiving logbooks

### A Levels – Maths, Computing, Physics

The Ecclesbourne School | 2011 – 2013

## About Me

In all that I do, I am able to use strong problem-solving skills to attack projects head on with laser sharp focus and great enthusiasm. My attention to detail ensures that the product delivered is a high standard and on time. When working within a team, I offer colleagues well-considered perspectives and ideas whilst strong communication skills with a personable approach ensure projects can be executed effectively.

## Interests

When not pursuing challenges professionally, I challenge myself personally through various activities such as snowboarding, paragliding, and skydiving. Within skydiving, I compete internationally on Team GB in performance wingsuiting and am a coach bringing new students into the sport.

I also host and manage friends' websites with my DigitalOcean VPS and Cloudflare infrastructure.