



**WILL EVANS**

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## PROFILE

I'm a 17 year old developer based in the United Kingdom. I'm currently doing software development for Defined Code Ltd and also studying at Twycross House School.

## EXPERIENCE

### CO-FOUNDER, WIRELESSRESCUE LTD — 2013-2014

At a recent hackathon my friend and I created a small device that locates people based on WiFi signals coming out of their devices, it then uses triangulation to work out where the person was. We used this with the context of finding people in avalanches or collapsed buildings. This project later won us the hackathon (<http://hack4good.io> (was previously called Mobile Rescue)) and I'm looking into further improving this technology.

### SOFTWARE DEVELOPER, DEFINED CODE LTD — 2012-PRESENT

Defined Code Ltd is a company through which I conduct my software development, specifically using the coding languages Ruby and Javascript. Defined Code Ltd provides web development using Ruby on Rails and Node.js and hosting solutions. I'm also responsible for maintaining the stability and security of the servers that Defined Code Ltd uses for compiling and deploying the software we create. Defined Code Ltd currently owns 2 servers, 1 collocated in the Netherlands and 1 in Coventry and rents another server in France.

## EDUCATION

Twycross House School, Warwickshire, United Kingdom — I received A\*s in Physics, Electronics, English Literature, English Language, Maths, French, Geography, Latin, History and an A in Biology for my GCSEs. I received As in Maths, Further Maths, Physics and Electronics at AS Level.

## PAST PROJECTS

### DEVOPS, CUVVA LIMITED— 2015-PRESENT

I worked as the only DevOps employee for Cuvva bringing them from having no deployment strategy at day-1 to having a fully-fledged Continuous Integration + Deployment system. I built a service discovery system that runs on top of Docker so that all of the applications in an environment could find each other. I also configured an always-on VPN so that the collocated server could function in the same VPC as the AWS-run services. Working for Cuvva has allowed me to further my DevOps skills and build upon my ability to work in a team.

### SYSTEM, DEFINEDCODEHOSTING.COM— 2014-PRESENT

I solely created and manage the backend and frontend for a management system of Xen virtual machines. This is for the hosting division of Defined Code Ltd who sell virtual machines to individuals and businesses. This has allowed me to get a vast knowledge of the Linux operating system and also how the Xen hypervisor works. I am responsible for deploying, managing and selling virtual machines.

### CODE AND SYSTEMS CHANGELOG, UBER — 2014

I worked with Uber this summer building a system that allowed them to easily see on a timeline what builds had happened on different cities, what code had been deployed and what internal settings and properties had been changed in a certain timespan so that they could easily see what had led up to a problem. This was built on Node.js, Bootstrap, a custom frontend timeline framework and jQuery.

### WEBSITE AND PEBBLE SMARTWATCH APP, UBER.WILL3942.COM — 2013

In 2013 I attended Hackference, a hackathon in Birmingham, United Kingdom. In 24 hours my friend and I created a website and Pebble app that reverse engineered the Uber Cab company's API (<http://uber.com>) and allowed users to view cabs in realtime on the web. We also created a Pebble app which allowed you to view the nearest cabs to you in your area. Unfortunately this got closed down soon after but there is a video available on the website. This hack won us first prize at Hackference.

### WEBSITE, WEBAGRAM.NET — 2012

Shortly after Facebook acquired Instagram, I had the idea to develop an online service where you could view all your pictures on the web, it originally had a feature where you could download all your photos before moving away from the service. I originally wrote it in PHP before converting it to Rails in 2013 which optimised the performance. Since 2012 it has grown to have over 4300 unique authenticated users.

## SKILLS

Ruby, Sinatra, Javascript, Node.js, HTML, CSS, SQL, MongoDB, Git, PHP, Linux, Xen, KVM, OpenVZ, Ansible, Jenkins, Nagios, Docker, Server Colocation.

## OTHER INTERESTS

Apart from programming I also enjoy surfing, skiing and skateboarding.