

Dan Jones

27, Born 9th Jan 1990 - British. Full UK driving licence.

Electrical engineer & installer. Excellent technical, analytical and communication skills. Highly interdisciplinary. Innovative thinker & problem solver with extensive experience with 3D CAD, circuit design and code development. Able to work well individually or as a team member. Seeking a technical & challenging engineering role.

EXPERIENCE

ReckonHost, Bolton — *Founder & Owner*

2014 - PRESENT

Website & email hosting. Formally known as Plasma Web. Created as a platform to host the Plasma Web Content Management System.

PlasmaDan, Bolton — *Founder & Owner*

2012 - PRESENT

Full-time self-employment. Electrical, carpentry, network & security systems installation. Experience working on-site alongside other trades. Specialised in bespoke home cinema building & AV installation, from CAD design to final calibration.

PlasmaPC, Bolton — *Founder & Owner*

2006 - 2012

Home theatre PC specialist. Responsible for sales, system building, website design & development. Managed 1 employee for 2 years.

Velden Engineering Ltd, Bolton — *Maintenance Engineer*

2005 - 2006

Part-time. Responsible for installation, fault-diagnosis, and performing time-critical electrical repairs on 3-phase machinery. Significantly improved reliability and uptime of factory equipment. Was offered a full-time position, turned-down to attend full-time college.

EDUCATION

Bangor University — *BEng. Electronic Engineering*

2009 - 2012

Partial completion, left to pursue self-employment career. Achieved highest grades for circuit design, data communications and engineering project.

Blackburn College — *BTEC ND Electrical & Electronic Eng.*

2007 - 2009

Received distinction grades for, telecommunications, three-phase systems, business studies and individual project; a handheld digital DC voltmeter.

31 Catherine Street West,
Horwich / Bolton, BL6 7JY

info@d-k-j.com

Portfolio: www.d-k-j.com

KNOWLEDGE

Quality Standards: ISO 9001,
TQM, BS 7671

Health & Safety: COSHH,
RIDDOR

Project Management: SWOT,
Kaizen, Risk

SOFTWARE SKILLS

2D & 3D CAD: AutoDesk
AutoCAD, Inventor, Solidworks,
SketchUp, Keyshot, POV-Ray.

Circuit Design: EagleCAD,
Quartus II, VHDL, PSpice,
CodeVisionAVR, MATLAB

Web & Graphic Design: Adobe
Creative Suite, Dreamweaver,
Photoshop, Illustrator

TECHNICAL SKILLS

Code Development: PHP, SQL,
HTML5, JavaScript, Python

Practical: Soldering, Fabrication,
Welding, Database Management,
Tools, Testing, Troubleshooting,
Problem Solving, Prototyping,
Security, Technical Writing

IT Hardware: Layer 2 & 3
Networks, Server Deployment

Blackburn College — NVQ Level 3: Electrical Installation

2006 - 2007

Started the course at year 2 due to previous experience. Top of the class. Often chosen to help with test installations for other students.

IT Protocols: SSL, FTP, DHCP, DNS, VPN, Frame, ATM, Token

Operating Systems: Windows, Windows Server, UNIX, Linux, CentOS, Raspbian, Mac

Alliance Learning — NVQ Level 1: Performing Eng. Operations

2004 - 2005

Top of the class in all subjects. Offered an apprenticeship with the academy for exceptional work. Turned down to advance onto college.

LANGUAGES

English: Proficient

NOTABLE PROJECTS

Kickstarter: PixelPi — Raspberry Pi HAT: www.pixel-pi.com/?grabcad

2016 - PRESENT

Add-on board for Raspberry Pi designed for control of APA102 / WS2801 addressable RGB LED strips & LED drivers. Final prototypes in production. Multiple product variants developed. Kickstarter starting this year.

RPi Relay & RGB Module — Home Automation Controller: goo.gl/EjA8cx

2015 - 2016

Expansion-board for Raspberry Pi featuring addressable LED control, motorised blind control, responsive web GUI and secondary TTL inputs. Now powering several bespoke home cinema installations across the UK.

Plasma Web — Web Content Management System: www.tradesman.site

2012 - PRESENT

Built from the ground up in HTML5. Allows layout & content duplication for quick & easy deployment of SEO optimised websites. Built primarily for personal use, now powers over a dozen client websites.

HTC One L — Mobile Phone Design Concept: goo.gl/y2s4LG

2012

3D concept model produced in AutoDesk AutoCAD. Based on the HTC One smart phone family. Featured on several tech news websites in 2012 following false reports it was a leaked official HTC concept.

University Engineering Project — Multi-Function Bench Power Supply: goo.gl/Q4dWcl

2011 - 2012

Multi-rail power supply with built-in function generator, voltmeter and resistance / capacitance substitution unit. Developed to be used in the electronics lab by engineering students. 70-page technical report.

REFERENCES

GrabCAD — 3D CAD Portfolio — www.grabcad.com/dan.jones-15

AVForums — Work Portfolio & Forum — www.avforums.com/members/plasma-dan.314603

GitHub — Public Code Projects — www.github.com/plasmadancom