

## **Glen Pike**

[github.com/glenpike](https://github.com/glenpike) • [www.dijitl.co.uk](http://www.dijitl.co.uk) • [careers@glenpike.co.uk](mailto:careers@glenpike.co.uk)

### **PERSONAL PROFILE**

A technically proficient, curious, individual, with creative flair, who can learn fast and enjoys adapting to meet new challenges easily. Experienced in a number of programming languages with skills in a wide range of computer technologies.

Produces tested, high-quality software, accessible websites and multimedia using a variety of tools and best practices, whilst also able to teach these skills to others.

Excellent communication skills gained by working in a variety of roles with a wide range of people.

Dynamic, agile, team player, with the self discipline to work remotely and alone.

### **COMPUTER SKILLS**

Specialities: Ruby on Rails, JavaScript, CSS, HTML & tooling, testing, accessibility.

Experience: React, Redux, Express, SASS, PostgreSQL, Git, Heroku, Terraform, Docker, AWS, Mocha/Chai/Karma/Jest/Rspec TDD, Backbone, Marionette, jQuery, d3js, NodeJS, KoaJS, Agile, OOP, Linux, Bash, Google Cloud, Continuous Integration, Go, Python, Apache, Couchbase, MySQL, PHP, C/C++, Arduino, Raspberry Pi, SVN, Windows, MSSQL, Java, ASP, Mac, various multimedia production software.

Learning new things all the time.

### **EXPERIENCE**

March 2023 – Current      Olio      Senior Software Engineer

Helping scale up operations on a system with >6m users, that enables volunteers to collect food waste from businesses and redistribute. Creating performance improvements and new features to help efficiencies for support teams and volunteers. Using Ruby On Rails, Rspec, MySQL, AWS

Dec 2018 – March 2023      Raspberry Pi Foundation      Senior Software Engineer

Worked with a great team building websites and platforms to help people learn computing. Championing accessibility across the team and organisation as an Accessibility Lead. Mentor other engineers.

Using: Ruby on Rails, HTML, CSS/SASS, React, Express, Heroku, Terraform, AWS

Dec 2004 – Present day      Self employed      Multimedia developer

Programmed Raspberry Pi's to log cosmic ray activity. Built a sound sculpture for Real Ideas Organisation with Raspberry Pi and lots of copper pipes. Contracted for a US company on a Ruby on Rails / Backbone based tax-form-submission product. Built static and dynamic websites for local small businesses. Conceived and developed Flash based educational resources on behalf of Surfers Against Sewage.

Jan 2017 – Dec 2018      Swoop      Lead developer

Helped to build modern web-apps, a growing team of developers and a company.  
Used JavaScript for client & server containerised applications running in GCloud.  
Managing legacy infrastructure whilst trying to improve scaling & deployment.  
Using: NodeJS, KoaJS, React, Redux, Mobx, Docker, Google Cloud, Couchbase, Go  
Mar 2012 – Dec 2016      Headforwards      Senior UI developer

Led an agile team developing a web control panel for NTT Communications' Enterprise Cloud services written in JavaScript/jQuery with LESS/CSS running on Perl/Postgres.  
Key developer of NTT's Cloud Management Platform web application running MarionetteJS with front end testing work-flow using Mocha, Chai & Karma and Continuous Integration on Jenkins. Trusted lieutenant code-reviewer for front-end development. Produced HTML/JS, and oversaw creation of CSS, coding standards.  
Ran technical interviews for prospective front-end developers and developed training materials for new starters.

Aug 2008 – March 2012      Engineered Arts      Software engineer

Created a touch-screen Flash/ActionScript 3 interface to control an animatronic robot with for Linux desktop, web-browsers & Android tablets.  
Created Python scripts for animating multiple robots and DMX lighting rigs with Blender3D; allowing "live" control and recording to MySQL databases.  
Created C/C++ daemons to interface Text-to-speech engines and speech recognition software, the robot software and JackAudio.  
Built content management systems for customers and internal use, with Flash and Web front ends alongside PHP and server side scripts.  
Configured, built and managed internal and customer systems including; Ubuntu/Gentoo machines, Wikis, project management and other automation tools.

Nov 2006 – Nov 2007      Nixon Design      Multimedia developer

Built beautiful websites & CMS systems using XHTML, CSS, Flash, Contribute, PHP and MySQL.

Oct 2004 – Nov 2006      uknetweb      Multimedia developer

Developed web sites using Flash, PHP, HTML, JavaScript, CSS and MySQL. Created an e-commerce application, customised and currently used for a number of shops. Developed Flash games, sites and applications, which use ActionScript2 & Flash Remoting. Designed the award winning Surfers Against Sewage website.

July 2004 – Dec 2004      Self employed      Project Animateur & Developer

Proposed, designed, managed and ran a project to develop a 'present' for the "Electric December" on-line advent calendar. Conducted 4 days of workshops teaching animation and model making to year 8 & 9 children. Created the Flash website to

showcase this: <https://dijitl.co.uk/electric-december>.

Sept 2001 – July 2004      Cornwall Youth Music Action Zone      Creative worker

Worked on various projects helping young people create and produce music, visuals and a live performance of choreographed skating, visuals and music.  
Designed and coded the CYMAZ website, using HTML & CSS.

Nov 2003 – Dec 2003      Stralfors      Contract Developer

Contributed to developing print proofing solutions for a client extranet by coding various modules and functions in VBScript for ASP, SQL for MSSQL server, HTML, and CSS.  
Developed a Visual Basic .NET application to enable faster label printing for production-line workers. Refactored existing C code to reduce error prone manual operations.

Oct 2002 – Mar 2003      Toshiba Information Systems (UK)      Developer

Specified software operation of a TV set for a team of German developers. Was the liaison between developers, local design team and engineers in Japan. Aided development of, and implemented, the On Screen Display interface for this TV set.

May 2001 – May 2002      Panasonic Owl      Developer

Played a key part in establishing an automated test system for digital TV decoders. Implemented Java test modules, created test coverage analysis tools and modules to read / write XML configuration files. Established and maintained a small intranet. Coded C for serial communications test hardware and wrote Perl scripts to control video playback via a web-server interface. Supported software development teams based in Japan, UK and the USA.

Oct 2000 – Mar 2001      AMS-Neve PLC      Developer

Enhanced and maintained a real-time system that controlled and synchronised audio recording equipment. Implemented a Jog/Shuttle control used in film post-production. Sound for a huge number of films over the last 16 years has been produced with this controller. Coded C to run on parallel micro-processors in a digital audio mixing console. Provided technical support to engineers and customers.

1998 – 1999      AMS-Neve PLC      Software Tester – work placement

Tested Windows based automation software and digital mixing hardware. Improved and amended smoke test procedures. Created automated Windows installation scripts and accompanying setup instruction manuals for engineers. Supported customers with technical issues regarding automation software and setup.

## EDUCATION & TRAINING

Mental Health First Aid training – 2019 and November 2022

Advanced JavaScript training with Kyle Simpson @getify, 2015

Royal Yachting Association (RYA) Dinghy Instructor (2011), Level 1, 2, 3 & Seamanship Skills in dinghy sailing (2009/10), Level 2 Powerboat (2009), Level 1 windsurfing (2009), RYA First Aid (2009 + 2011).

BEng. (Hons) First class in Electronics, Music & Media Technology at Leeds Metropolitan University (2000).

BTEC National Diploma in Engineering at Shrewsbury College of Arts & Technology (1996) – achieved 25 out of 26 possible “Distinction” grades.

GCSE's: Nine at Grade 'C' or above (1990).

Driving License: Full, clean.

## INTERESTS

I like to create music ([soundcloud.com/dijitl](https://soundcloud.com/dijitl)) and explore audio visual software as my passion for this has been rekindled in the last few years.

I run a CoderDojo ([coderdojo.com](https://coderdojo.com)) in the local library. I previously ran Code Clubs ([codeclub.org.uk](https://codeclub.org.uk)) in two local schools for 5 years helping young people learn programming with Scratch and other tools. I've also run coding workshops with [www.dbscopycode.co.uk](https://www.dbscopycode.co.uk) and have helped out with Summer and Easter Schools in the local area where graduates and young people can learn software engineering skills.

I have volunteered for many organisations, including those who work with young people. With Shropshire Youth Arts Network, (SHYAN) I helped set up and run sound systems for various events and helped a youth theatre group with their video project. With Livewire youth project, Saltash I helped teach children to use music technology.

I am creating an accessible jobs board website, started as Covid support, for a London based charity, to help people with special needs find their way into employment.

Moving to Cornwall allowed me to participate in various water sports such as bodyboarding, sailing, windsurfing and kayaking. A desire to keep the sea clean led me to volunteer for Surfers Against Sewage running their stall at events, performing general administration work and designing various stationery, and campaign graphics. I previously taught young people to sail, windsurf & kayak with the Making Waves project for 3 years where I volunteered as a qualified Dinghy Instructor at Stithians Lake. I walk, run, cycle, bodyboard and swim in the sea, and also do yoga to keep my mind and body working.