

# Tibs (Tony Ibbs)

## Summary

I am currently a Developer Educator at [Aiven](#)

I am an experienced programmer and toolsmith who writes clear, easy to maintain code. I am adaptable, interested in and able to take on new fields and skills as necessary. I am self motivated, enthusiastic, able to work independently or as part of a team, and have good communication skills.

**I have active skills in:** Python (since 1994), shell scripting (bash and fish), Git, Vim, Emacs, reStructuredText, markdown, Vale.

**and significant past experience with:** Ruby / Rails (2019-2021), C (1988-2014) and C++, cross-compilation, embedded Linux, Flask, Django, REST, Java (including JNI), TeX/LaTeX, Bacula (backup system), XML and XML-Schema, Subversion, Mercurial, Perforce, object-oriented database design and implementation.

I have experience in creating and using national and international standards.

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## Experience

From 1980 to 2003 I worked for Laser-Scan in digital cartography, or GIS (geographical information systems) as it became. Some of that time was on secondment to Glasgow University. I was a core developer of Laser-Scan's digital cartographic tools, and acted as technical liaison to OS(GB) and MCE(RE). I was one of the original three developers of their GIS, writing its storage/persistence layer and many of the core utility modules. I introduced and supported the company's use of C, Emacs and LaTeX. I had a particular responsibility for transfer formats, writing software for many formats, providing general in-house expertise, and acting on several related standards committees. I also consistently acted as a toolsmith, gathering common code into libraries, maintaining documentation and testing systems, generating useful tools, etc.

From 2004 to 2014, I worked in set-top box (STB) and embedded systems development, for SJ Consulting, Amino Communications Ltd. and Kynesim Ltd. Most of my STB work was on TI hardware, both MIPS (AR7) and ARM (DaVinci, Beagleboard, etc.). I worked at all levels, from the initial system integration (writing a serial bootloader and UBL (user bootloader), filesystem design, initial graphics driver support) up to browser integration and functional and continuous integration test support of the final system.

I also did Python consultancy on scientific instrument user interfaces for [TeraView](#), and administrated and was principal developer on several open-source projects, including [muddle](#), a build system especially aimed at constructing firmware for embedded systems, [kbus](#), a lightweight messaging system for embedded Linux platforms, and [tstools](#), a set of cross-platform command line tools for working with MPEG data.

In 2014 I joined Velocix, part of Alcatel-Lucent and then Nokia, as a Python developer. Much of my work was on the REST API for their CDN management backend. I also acted as a local Python expert, and as a FOSS advisor.

In 2017 I joined [Arm](#), working on the Update Services team, using Python3 and Django to manage IoT devices. In 2019 I moved to Arm Treasure Data, using Ruby and Rails, and in 2020 [Treasure Data](#) became an independent company again.

In 2022, I moved to [Aiven](#) to become a Developer Educator.

I helped start the Cambridge Python Users Group ([CamPUG](#)) in 2007, and ran it until September 2022. In 2017 I was awarded a John Pinner Award for services to the UK Python community because of this work.