Kevin Putnam

10th level Wizard and Technical Lead - Formerly of Intel (2006-2025)
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I am an expert at taking software projects from ideation to delivery. I've been successful in multiple domains, whether working with low level stat collection, storage test automation, or documentation tools. I use a holistic approach grounded in sound design principles, and I'm able to balance all aspects of application design to deliver stable, high quality applications that are just complex enough.

Traits

- Entrepreneurial. If I see an opportunity for innovation, I will advocate and deliver.
- Storage Technologies R&D taught me that a demo is worth ten presentations (or more).
- Primarily Python (often using Tkinter) but C++/.NET, HTML/CSS/JS, and a few others.
- I'm a quick study and will learn any framework. Novelty is the spice of life, after all.
- Please don't ask me to make a shim. I'll do it, but I will also push back **hard**.
- Very independent and self-directed as well as enjoying teamwork.
- I love to mentor and learn.
- Results oriented.

Example projects

- **Sphinx2Dita** - As open source methods grew in popularity within Intel, it became necessary to enable publishing to Intel Developer Zone directly from GitHub source. I created a solution that vastly reduced the complexity of the existing solution and reduced the number of methods needed to be maintained by 50%. Put simply, this extension allowed the user to generate a fully publishable DITA XML book from Sphinx with zero manual steps. **Python**
- **Sphinx-md** - I saw a need to deliver a method for software teams with large amounts of existing documentation just hanging out in GitHub to be able to publish a full website to improve both the navigation and findability of their docs. As a result, I built this tool to extend the Sphinx documentation generator to fix some of the issues that crop up when cross-linking within GitHub. **Python**
- **reDocs GUI** - A GUI application that could 100% replace the need for technical writers to use a terminal to build their Sphinx based documentation. It would automatically create a virtual environment and install dependencies for each project and make "build" and "clean" buttons available in the GUI while displaying build output in the window. **Python/Tkinter**
- **Docs CI** - Bootstrapped an end-to-end solution for automatically generating and testing documentation artifacts on a weekly and on-demand basis for more than 20 software projects. Before this only the technical writer associated with a given project knew how to publish each project making it a severe bottleneck. **Python and GitHub actions**
- **Automated Validation Environment (AVE)** - I eventually became lead developer focusing on the UI and performance improvements of our in-house automation framework used to perform everything from smoke testing to power failure integrity testing of prototype Intel SSDs. **C++/.NET**
- **NANDstats** - Low level Windows utility for collecting NAND usage statistics of prototype Intel SSDs attached to the system. **C++/.NET**

Work Experience and Highlights

Intel Corporation, October 2006 - July 2025

Cloud Software Engineering Lead - Open Source Technology Center and InfoDev, 2018-2025
- Cross-Intel documentation publishing tool development
- Drove CI/CD adoption across our organization
- Used open source software development processes

Software Engineer - Storage Technologies Group - Pathfinding Team, 2015-2018
- POC and BKM development to showcase Intel Optane latency capabilities ahead of release

Software Engineering Manager - Storage Technologies Group - Tools & Validation Team, 2014-2015
- Led transition from Windows centric data collection tools to Android/Linux
- Released Storage Response Measurement Utility to 15+ IHVs used to measure Ultrabook performance.
- Managed 11 people including engineers, interns, and contract workers

Software Engineer/Technical Marketing Engineer - Storage Technologies Group - Tools & Validation Team, 2011-2014
- Lead developer of AVE (see above)
- High visibility/impact demo delivery

Validation Engineer and Lead - Storage Technologies Group - Tools & Validation Team, 2006-2011
- SSD test plan creation, implementation, and execution.
- Tool development

Education

BS Mathematics	Virginia Tech	1995
MA English	Virginia Tech	2000