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Objective:

I am particularly interested in a more permanent position where lots of development, by me, combines with accomplishing better coherence among all the pieces that make it work, these particularly.

devops/architecture/infrastructure/development

Keep working and influencing.

Skillset:

This had gone way too long, previously -- listing this and that...
so I'll say, your questions might be 'What do I know about ...?'.

Mostly, I take informal ideas and make resilient software out of them.

Education:

ASEE Vermont Technical College 1982

Experience:

Feb 2017 – Sep 2017 -- Dell Computer -- Software Engineer
Using: Perl, Bash, Python, C, Powershell, make, git/submodules, Jenkins DSL/groovy, heavy authentication.

This time around at Dell, working in the same group as I had been during my project from Jul 2014 to Apr 2015, I have worked extensively with Powershell and ActiveDirectory which governs our cloud based infrastructure under the Jira umbrella of tools, purposefully relieving Jira of some tasks that were deemed less than effectual with a series of jenkins jobs. Several major AD maintenance and reporting objectives have also been implemented.

Taking a break from that work I have most recently implemented some custom BIOS/UEFI builds to create codebases that fit the needs of Dell's OEM/ODM customers.

Jul 2015 - Jul 2016 -- Dell Computer -- Storage-EQL Platform SW Engineer
Using: Perl, Bash, Python, C, make, git/repo/gitolite, Jenkins

In a clustered jenkins ci environment (mostly CentOS Linux based)
created and modified development workflow and release jobs using jenkins
in a project which housed over 150 separate git repositories.

The build environment was based on yocto.

Additionally, built out the software and jenkins job to create a
multiple partitioned, bootable flash image.

Jul 2014 - Apr 2015 -- Dell Computer -- Development Engineer
Using: Perl, C, make, svn, Jenkins, .bat/.cmd scripts, custom development

Applying process knowledge and experience to continuous integration
efforts as Dell moves into large scalability, focused around Jenkins,
an nfs/cifs mounted toolchain, and mostly Windows virtual machines
for the BIOS/UEFI/EC development groups.

I am drawing on a lot of experience to make this process overhaul
come to fruition with a small group of technology veterans who
grant me latitude and appreciate my approach.

During the last weeks of my shortened tenure at Dell, I was fixing UEFI/BIOS
bugs (C and C/C++) which were otherwise causing soft failures in our CI
environment as job success is tightly bound to code review hits in
Coverity. Many of these things were minor and might be considered oversights
rather than bugs, but there were several which really were buffer overruns
and memory leaks which really can cause serious issues.

Nov 2013 - Dec 2013 -- DrillMap - Perl Developer
Using: Perl, sh, make, MySQL, Postgres, github, Jira

This short term contract concerned refactoring and architecting of
data stream tools (custom web scrapers) in a robust OO modular way.
A good deal of latitude was given towards simplifying the overall
configuration and buildout of the environment. Developed custom
Perl modules that offer a clarity that CPAN may or not offer.

Considerations involving table structure and data integrity were
also involved in this port from MySQL to clustered Postgres as well
as an interesting way to hoist perl variables into proper meaning
for insert/update to the database by relying on information calls
to extract various schema thus minimizing any hardcoded transforms.

Jun 2013 - Aug 2013 -- NextGen - Sr. Software Engineer
Using: Perl, SQL Server, Mason, Javascript, rake/make, svn, Jira

Analytics of the code base regarding structural soundness and performance. Bug fixes and enhancements.

Object Oriented, fully automatic provisioning and configuring.

Worked with the resident dba regarding the application's performance.

Apr 2012 - Nov 2012 -- AMD - Software Developer
Using: Perl, GS/EFT, CFEngine, R2 SQL Server, Team Foundation Server

Hired on to develop and deploy a cataloging process for the MFT Data Warehousing group at Advanced Micro Devices. Desired and inherent within this project:
real-time, transactional/end-to-end (metrics/analysis).

Worked closely with the IT system administrators to advent provisioning with CFEngine and a more opaque sense of hardware usage and (bare-metal and virtual servers) Solved many existing issues with the help of many.

Next up was a refactoring of existing code for which I offered sensible reduction in both code (its implementation) and the nature of configuration in large processes with large datasets.

Stopping right here for brevity, but to say this;

Happy to fill in the rest of this dating back to 1982, and all of the experience and experiences, good and bad.