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Workflow design and automation, application development, deployment, monitoring, and support.
Cloud administration, build automation, Google Workspace automation.

Expertise in Google Apps Script, Javascript, SQL, Perl, Google Cloud, git, scheduling, shell scripts.
Working knowledge of C++, Java, Python.

QA Engineer at Google for Tata Consultancy Services 09/2020 - 03/2023.

Monitor and expedite builds, tests, and deployments of the Google Web Site.
Automate rote tasks. Build dashboards. Mine performance data. Bug triage and prioritization.
Google Workspace automation. Production support. Helped train ten new hires.

QA Engineer at Google for Tata Consultancy Services 09/2019 - 12/2019.

Manual testing for Android Automotive. Java, Python, and Android debugging. Technical writing and release notes. Test case development.

Developer Support Engineer at Google for Virtusa 10/2018 - 07/2019 Sunnyvale, CA

Testing and support for G Suite Marketplace and Chrome Web Store. G Suite Add-on development and testing, add-on developer support, research and troubleshooting for add-on migration to G Suite Marketplace. Bug reporting, analysis, development, and support for Google Cloud Platform.

Application Support Engineer at Google for Accenture 09/2016 - 07/2017 San Jose, CA

Streaming Video and Dynamic Ad Insertion (DAI) Vendor Support Team.
HLS live streaming support. DoubleClick For Publishers (DFP), dynamic ad Insertion, Google Analytics, VAST and VMAP. Troubleshooting video stream and ad insertion issues with Charles Proxy and WireShark. Testing new releases of apps for Roku, Xbox, AppleTV, FireTV, iPad, Surface, Android tablets, and Chromecast. Filed bug reports for issues during live streaming events.

Senior Application Support Analyst - Wells Fargo Bank, 11/2003 - 07/2013 San Francisco, CA

Production support, application support, release management, system administration and Java developer support using JIRA, NetBackup, NDM, Autosys, Nagios and Introscope. Release management was complex due to Wells' innovative n-tier architecture; testing required complex coordination with middleware teams. Built and maintained MySQL realtime log database and perl scripts for web reports on usage and performance. Built a configuration framework for parallel development of multiple releases per year, typically three quarters at a time. Automated release notes for testers, with a link to the node where the fix for each of the bugs they reported could be tested.

Senior Application Programmer/Analyst - Wells Fargo, 11/1996 - 11/2003, San Francisco, CA

Performed all merges and builds for a team of six to twenty C++, then Java developers. Build automation, SDLC tool integration and configuration management. Reporting with Perl, MySQL and Apache. Administration, training, and support for Solaris, Windows, Rational ClearCase and ClearDDTs, Visual C++ and BMC/Remedy. Middleware integration and support, ERM, and mainframe data exchange. Helped with release management.

UC Berkeley Extension, 1993-1996

Introduction to Java Programming
Windows MVC Development with Visual C++
Computer Networks