David

david@eggbutler.com

Work Experience:

Agency January 2014-June 2022

New York, NY

IT Systems Administrator

- Provided solo IT support from help desk to systems administration and everything in between
- Developed an internal tool for automating user onboarding and offboarding that created new Google workspace accounts with custom signatures and old GWS accounts were suspended, archived, and offered forwarding options
- Migrated our shared local workspace to a Google Cloud solution that synchronized our ERP and Google Drive to automatically create the Google Team Drives and sharing
- Automated changes in staff titles and seating to update shared seating charts PDF and email signatures
- Transformed the sales process from paper into a fully digital experience by providing the sales team with a small local app that integrated the ERP, e-signature, cloud storage, and online payment and leveraged the features in the various SAAS's to maintain associations throughout the sales funnel
- Self-taught Google Apps Manager (GAM) using Python to integrate any tool with a REST API
- Generated and updated network floor plans and layouts with AutoCAD, Adobe Illustrator, and Python (ReportLab)
- Maintained a fleet of Windows and Macs, including a transition from 0%-100% Mac and MDM roll out
- Deployed and managed a small fleet of Synology devices with SHR, RAID 5, and RAID 1 with ~100TB raw capacity.
- Configured and maintained user portals for self-service, automated deployments, and authentication
- Provided a remote VPN solution to implement a work-from-home solution
- Deployed and maintained several client facing apps using AWS S3, Route 53, CloudFront, and EC2 including NextCloud, Sendy, and WordPress

Engineers June 2007-June 2013

New York, NY

IT Systems Administrator and Drafting Manager

- Provided all IT and drafting needs for a company of 20 with up to three engineers
- Drafted architectural plans and elevations supporting asbestos removal plans, water sampling reports using ArcGIS, lead paint XFR surveys, and Aboveground and Underground Storage Tanks (AST's/UST's) for heating oil
- Designed, drafted, and summitted remediation plans for NYC Department of Buildings (DoB) approval. Those plans were later used by the DoB as templates for the newly created Asbestos Control Program (ACP) forms
- Worked with different architectural firms weekly adapting to their unique AutoCAD tools and styles
- Maintained desktops, three websites, and an on-premises server (adding storage, updates, and domain accounts)
- Supported Semaphore accounting software, AutoCAD, Outlook, Word, Excel, and custom Access applications

Automation November 2004-March 2007

Charleston, SC

Systems Integration Engineer

- Represented the company for various engineered control system solutions as field project manager
- As a general solutions provider, engineered solutions were provided to a military vehicle plating facility, a government marine research vessel, 200' tall mining equipment, and office printers
- Designed, documented, and installed PLC electrical control systems
- Trouble shot and corrected control panel wiring from electrical schematics
- Evaluated and revised existing technical drawings to match field wiring
- Drafted and updated project documents including plans, elevations, BOM's, schematics, and relay/ladder logic
- Programmed and debugged GE Fanuc and Allen Bradley PLC systems
- Fabricated and documented electronic control panels
- Installed wireless networking systems for surveillance systems and PLC systems

Electronics Facility October 1997-December 2000

Lansdale, PA

Manufacturing Co-op Engineer

- Worked on an automotive speed control unit, window controller, RF receiver, temperature sensor, and cell phone tower ceramic board manufacturing lines in 3-month periods
- Designed and drafted custom parts using traditional drafting and AutoCAD
- Performed quality control and statistical analysis in accordance with strict geometric dimensions and tolerances.
- Trained and practiced in Lean manufacturing techniques and 6-sigma principles
- Utilized visual factory techniques to increase ergonomic efficiency
- Recorded cycle times on entire lines and developed reports using the acquired information

Kettering University engine test cell February 2003-December 2003

1700 West Third Street, Flint, MI 48504

Test Cell Engineer

- Tested engines on an AC dynamometer with a Redline ADAPT data acquisition system for performance analysis
- Calibrated laboratory equipment
- Developed an automated test to find brake specific fuel consumption maps and engine spark maps for two or four stoke engines of various sizes using ADAPT-DAC version 4.4
- Worked with students to develop engine spark maps relative to manifold air pressure
- Assisted students on technical issues involving the data acquisition system and dynamometer setup
- Continuously improved upon the existing set up using ergonomic and practical solutions

Education:

Kettering University, 1700 West Third Street, Flint, MI 48504
Mechanical Engineering B.S.
July 1997-June 2004 (graduated 2025)

Skills:

VMWare Fusion, Parallels (MacOS), Proxmox Virtual Engine, TrueNAS, Synology, Fluent with Mac, Windows, and most Linux computers as daily drivers, Addigy MDM, SimpleMDM, BASH scripting, Python 2.7-3.x, Flask, Amazon Web Services (AWS), Autodesk Fusion360, Sketchup, Cura, Snipe-IT, Adobe Photoshop and Illustrator

Other

Basic circuitry and controls, 3D printing and modeling, soldering, AutoIt, ladder/relay logic, AutoCAD 12 through 2010, PHP, ADAPT Redline engine management program, Rockwell Software Logix, Arduino (C++), Autodesk Fusion, MDM, Flask, containerization, TCP/IP, DHCP, DNS, and REST API's