Mr. William Mantly
Developer & Technologist

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Experience

Sr. Networking Engineer, VP for ***JPMorgan Chase & Co***, June 2019 - Present
Plan and write automation using Terraform, VMware tools, and internal CI/CD pipelines.
Developing software-based networking solutions for VMware NSX-t deployment using VRO/VRA.
Operations and administration for 100,000 plus servers running VMware ESXi.
Write tickets and observe compliance standards in accordance with the JPMC and laws.

DevOps Engineer for ***Roivant Sciences***, August 2018 - April 2019
Create development and automation tools using Chef, Packer, Terraform, and Kubernetes to support the developers of Roivant.
Manage AWS environments for production, staging, and development using LXC, Docker and Vagrant containers.
Support developer needs by helping to plan projects written in Python, NodeJS, R, Ruby, and many more languages.
Document everything! Make others document everything!
Plan and conduct training for developers using in-house tools and general best practices.
Created a Linux based development environment and support RPM packages using AWS Workspaces to allow more native development.

Consultant for ***Theta 42, INC*** *(Freelance)*, November 2017 - present
Refactor, deploy, and document ongoing projects written in NodeJS and Python using Kubernetes and Containers to AWS and on-prem servers.
Consulte on the planning and architecture of new projects.
Create proper staging and development environments for new and existing projects by applying containers and other DevOps tools.
Audit repos for security and stability issues.

Head Instructor, Lead Developer for ***Byte Academy***, February 2015 - October 2017
Managed our team of instructors and TA's to meet student's needs.
Created, reviewed, and approved curriculum changes.
Instructed courses to a dozen students ranging from beginner to intermediate level on; Python, JavaScript, OOP, API's, Design, Testing, Deployment, Linux, and Git.
Planed out technologies to be used with new projects such as bytedev.co
Managed internal and freelance developers.
Worked with integrating API's from GitHub, MailChimp, Digital Ocean, and others into our apps.
Deployed and managed websites backed by Django, WordPress, and NodeJS to Digital Ocean, and other cloud services using immutable containers.
Conducted daily stand up meetings and weekly progress meetings during sprint cycles.
Managed internal network, VoIP system, Linux, and Windows AD Servers.

Application Engineer for ***ITRS America***, January 2014 - October 2014
Supported clients issued and training needs via email and phone and on-site when needed.
Working with clients to meet their support and development needs in Windows and *nix systems.
Instructed clients on how to use features of our products.
Wrote modules and UI additions for our 'new technology' using JavaScript and Lua.
Updated internal documentation to reflect changes to our products.

Experience *cont*

System Administrator for ***Unique Systems***, November 2010 - July 2012
  Managed internal VoIP/video network including hardware from Tandberg, Polycom, APC, and Dell.
  Managed Cisco switches and routers connecting over 140 remote sites.
  Managed Windows Server 2000/2003, Windows Active Directory, and Linux servers.
  Created an internal application to configured and managed Nagios using PHP and MySQL.
  Consolidated multiple Norton Ghost images into one to streamline the desktop restoring process
  Provide end-user support and training on-site, via phone and internal video network.

Skills

Python, JavaScript, PHP, C/C++, Lua, Perl, Ruby, HTML/CSS, bash, Nginx, Apache, Redis,
PostgreSQL, MySQL, Linux(Red Hat and Ubuntu), Mac OS, MS Windows(all modern versions),
Virtualbox, LXC, Docker, Vagrant, Kubernetes, Cisco routers/switches, VoIP, SIP, git, Django,
Express.js, Chef, Terraform, Proxmox, VMware, ESXi, NSX-t, ZFS, LDAP, Wire Guard

Projects

Bytedev.co A online learning platform to help new students learn coding. I was the lead developer
  working with a team of about 5 other developers. The site allows end-users to run code in a real
  Linux environment modeled after the backend of c9.io. A NodeJS API manages Digital Ocean
  droplets via the Digital Ocean API to spin up LXC containers based on current user demand and
  listens to execute arbitrary code from a custom minimal HTTP server written in C.

P2psub NPM package for mesh peer to peer JSON Pub/Sub with no extremal dependencies.
SSO-manager-node A node API and front to manager LDAP/SSO access for internal access.
Linux-user A NPM package for user management on Linux.
jqSPA A front end SPA framework written with jQuery.

Education

Byte Academy, 2014-2015: FinTech Python
R. Mckee Technical High School, 2001-2005: Cisco Networking Academy.

Other

Boy Scouts of America 1996-2005 : Completed all requirements for the rank of Eagle Scout.
Boy Scouts of America 2018-present : Adult leader, Tiger Den.
Cisco Academy Award: Honor student 2002, 2003, 2004
CompTIA: A+ Certification, 2010
HomeLab 3 node Proxmox cluster running media, backup, and SSO service for friends and family.