



Mr. William Mantly

Developer & Technologist

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(347) 559-1493

github.com/wmantly

Experience

DevOps Engineer for *Roivant Sciences*, August 2018 - present

Create development and automation tools using Chef, Packer, Terraform and Kubernetes to support the developers of Roivant.

Manage AWS environments for both production and staging using LXC/Docker backed Vagrant.

Support developer needs by helping to plan projects written in Python, NodeJS, R, Ruby, and many more languages.

Plan and automate deployments to AWS and other cloud services.

Document everything! Make others document everything!

Help plan the long-term vision for the Roivant DevOps team.

Plan and conduct training for development and deployments 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.

Integrate Jenkins with Github for automated testing and merge blocking on sub-par PR's.

Head Instructor for *Byte Academy*, February 2015 - October 2017

Managed our team of instructors to meet students needs.

Review and approve 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.

Designed and implemented our online platform(ByteDev) using Python, NodeJS, and PostgreSQL.

Lead Developer for *Byte Academy*, February 2015 - October 2017

Planned 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.

Conducted daily stand up meetings and weekly progress meetings.

Managed internal network, VoIP system, Linux and Windows AD Server.

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.

Consultant for *Theta 42, INC (Freelance)*, November 2006 - present

Refactored, deployed and documented ongoing projects written in NodeJS and Python.

Consulted on planning and architecture of new projects.

Managed sprint cycles for development teams.

Created proper staging and development environments for many projects.

Audited repos for security and stability issues.



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Skills

Python, JavaScript, PHP, C/C++, Lua, Perl, Ruby, HTML/CSS, bash, Nginx, Apache, Redis, PostgreSQL, MySQL, oauth, Linux(Red Hat and Ubuntu), mac OS, MS Windows(all versions), Virtualbox, LXC, Docker, Vagrant, Cisco routers/switches, VoIP, SIP, git, Django, Express.js, Chef, Terraform

Projects

Bytedev.co A online learning platform to help new students learn coding. The back-end uses Django and Postgres to ace progress and authentication and NodeJS with Socket.io to communicate with the front end. On the front end, we use Bootstrap with a custom SPA. For authentication, GitHub is used via Oath, and the GitHub API is used to store users code and courses. I also created a automated staging environment witch would automatically deploy changes made to the Git repo and new branches to Digital Ocean, this also set up Apache and PostgreSQL and seeded the database with test data I was the lead developer working with a team of about 5 other developers.

Codeland A supporting project to bytedev, allowing end users to run code in a real Linux environment. This project was modeled after the backend of c9.io . A NodeJS API manages Digital Ocean droplets via the Digital Ocean API to spin up LXC containers on-demand and listens to execute code from a custom HTTP server written in C.

Other: **Linux-user** A NPM package for user management on Linux. **jqSPA** A front end SPA framework written with jQuery. **bitR** A portal pyBitmessage backed by block chain, written with jQuery and Django. **Torrent Buddy** Web based project using ffmpeg and NodeJS to convert and down scale videos from my personal server.

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 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