

Jonathon Clark
jc@saipantech.com

IT Director - Senior Systems Engineer

- Experience in providing network and computer infrastructure solutions and maintenance.
- Accomplished Django API, Angular, SQL, NoSQL full stack developer.
- Proficient Linux OS professional – Linux Foundation Certified Engineer since 2016
- Mixed network (Linux, Windows Server, Windows Desktop, Mac, Android) Systems Administration.
- Incorporated Disaster Recovery and HA System Backup and security policies.
- Designed and implemented VMware, OpenStack, RHEV virtualization platform deployment.
- Articulate, friendly and personable.

Employment Information

Director of Information Technology

Mount Carmel School, Saipan Island CNMI - August 2015 – Present

Established an Information Technology Department on the largest private school on the island. Revolutionized the entire computer landscape on campus. Implemented policy to streamline digital information workflow. Maintained more than 99% up-time Programmed several applications which were used in concert with the School Information System and the Accounting Department. Implemented Backup and Security policy for critical system data.

A brief detail on major accomplishments:

- Created a private Data Center. Deployed VMware, and RHEV platforms, hosting Windows Servers, Windows Desktops and Linux Workstations . Introduced new virtualization computing strategies which provided scalable computer pool resources for students and teachers. We realized a substantial reduction in maintenance and electricity cost as well as slashing the per workstation cost by 68%.
- Using various languages and frameworks I successfully programmed and deployed into production:
 - Employee Payroll Time Sheet – this application allows staff to time in and out online.
 - Five Year Strategic Plan Project Manager- a tool for all stakeholders to collaborate and manage the school's long term strategic plans. After deployment, the projects began to gain momentum and productivity improved significantly.
 - MCSAP – Mount Carmel School Admissions Portal – A public facing student registration portal which found great success for users and administrators. The UX and data aggregation for administrators were the success points.
- Developed a culture of saving and efficiency in the IT Department reducing overall School Budget strain. Recognized and instituted cost cutting measures, which saw the successful migration to open source and in-house developed applications from more costly commercial alternatives whenever possible. Pioneered hi-technology systems, ensuring the institution would grow into the future, and I provided the tools for their continuing evolution.

Systems Engineer and Administrator

Mango Resort Saipan February 2014 - Present - Saipan, Northern Mariana Islands

A newly renovated hotel with no systems in place.

- Engineered and supervised the construction of all electronic infrastructure for the resort including computer, satellite entertainment, WiFi, and office administration systems.
- Developed, programmed and deployed, the property management system (PMS) and a desk reservation system. Collaborated with the Resort General Manager to render her ideas into a production ready application.
- With a limited budget, I provided full O/A systems including VDI workstations and support networks.
- Harnessed virtual technology to provide cost effective growth solutions.
- Engineered WiFi zones and placements of AP's using commodity equipment to maintain 100% coverage for all rooms.

Systems Administrator

Seoul English Science Edu-Center August 2011 - February 2014 Seoul - South Korea

A South Korean science observatory and learning center.

- Streamlined the publication of a bi-weekly science periodical. I developed a network of administrative windows and Linux computers for data sharing and WebDAV collaboration.
- Maintained computer lab equipment to highest readiness.
- Built and demonstrated an Open Stack Havana for the team to use in the development of science based educational tools in the science research department.

Education

BS Computer Science - National University Sacramento, CA

Nuclear Power School - United States Navy

Electrical Engineering - Michigan Tech University – Houghton, MI

Certification

Linux Foundation Certified Engineer – LFCE

Technology Proficiency Summary:

OS Administration:	Linux, Windows Server (8,12,16), Windows, MacOS
VM Management:	RHEV Manager, OpenStack, VMWare
Containers:	Docker, LXD/LXC
Orchestration:	Docker Compose, Kubernetes, OpenShift,
Storage Systems:	Ceph, Swift, Cinder, Gluster
Scripting Language:	Python, BASH, Perl
Development Languages:	Python, AngularJS, JavaScript, C, C++, HTML, CSS, JQuery, PHP, Go
Development Frameworks:	Django, Angular 5+
Admin Automation Tools:	Ansible, Puppet

Interests :

Astrophysics, Wood Crafting, Music Performance

Special Skill:

Speak fluent Korean