# MANNU ARNEJA

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## SKILLS

**Ruby, Rails, JavaScript, jQuery, React, Redux, HTML5, CSS3, SQL, Git, TDD, RSpec, WebAudio API, PowerShell, MySQL Windows Server 2016, Office 365, VMware vSphere, Hyper-V, Kaspersky Endpoint Security, DNS, DHCP, TCP/IP**

## PROJECTS

**reSoundCloud**   (Ruby on Rails, React.js, Redux, AWS, PostgreSQL, Heroku)                    live | github
*A single-page SoundCloud clone giving users a platform to stream and share audio*
- Achieved persistent audio playback throughout multiple components using a UI slice in Redux global state to dynamically track changes in navigation and media DOM events
- Incorporated AWS S3 hosting and Rails Active Storage to allow full CRUD for audio and images uploaded by users while leveraging the data scalability, availability, and performance advantages of the cloud over a single media server
- Secured user accounts with backend authentication processes using BCrypt for password salting and hashing, and custom font-end routes built on top of rails router to protect and conditionally render components

**PolyRefrain**   (JavaScript, Web Audio API, p5.js)                                             live | github
*An audio sequencer utility that serves as a tool to learn and explore polyrhythms*
- Achieved highly accurate scheduled audio events by leveraging WebAudio API's access to hardware clocks
- Created a looping visual representation of rhythm by building on HTML canvas methods using the p5 library
- Designed an interface that allows users to dynamically control percussion playback, tempo, and time signature

## EXPERIENCE

**Network Systems Administrator**

*SW Group, New York, NY*                                                                    Jan 2018 - April 2019
- Administered a diverse set of network services and devices in a high-volume retail industry production environment across 41 locations, working side by side with the Director of IT.
- Built workflows utilizing PowerShell scripts, SQL databases, and CMS applications to populate a company-wide intranet with dynamic monitoring of systems, servers, and network devices.
- Designed and supported solutions using Open Source technologies to operate cost-effectively; projects included IT asset management, helpdesk ticket system, and running an Apache/MySQL/PHP stack.
- Configured and deployed secure corporate WAN and LAN (VPN, WiFi, Firewalls, Routers, Switches) as needed.

**System Administrator, Analyst**

*SVAM International Inc., Great Neck, NY*                                                        Jan 2016 - Dec 2017
- Administered Active Directory Domain Services for 600+ employees globally in a hybrid physical and virtual environment.
- Proactively diagnosed and resolved network infrastructure issues by deploying critical hardware, TCP/IP/HTTP monitoring systems, maintaining disaster recovery plans, research and development of new solutions.
- Increased team productivity by using PowerShell to automate tasks such as VHD imaging/deployment, Exchange Management, assigning NTFS permissions, and batch file modifications.
- Performed in a requirements and systems analyst role for a SaaS model custom CRM web application serving 6 Economic Development Organizations nationwide.
- Oversaw the implementation of workflow automation and application design by drafting business requirements elicited from leaders in the industry and by functional testing in collaboration with an international team of software developers.

## EDUCATION

**Full-stack Web Development -** *App Academy,  1000+ hour program with ~3% acceptance rate*          *Spring 2019*
**CompTIA A+ -** *Certification*                                                                       *2015*
**MA Philosophy -** *Duquesne University Graduate School of Liberal Arts*                              *2010 - 2012*
**BA Philosophy -** *State University of New York at Stony Brook*                                      *2006 - 2010*