

**Company Name**

April 21, 2018

To whomever this may concern,

I am excited about the possibility of joining your organization in the position of Associate Application Developer as advertised <source>

In addition to the academic projects listed in my resume, I have also worked on the following personal projects which are listed on the last page of this document.

I am available starting this May. In terms of location, I am able to work anywhere in the US.

If you have any questions, feel free to contact me.

Email: [joshua@hauptj.com](mailto:joshua@hauptj.com)

Cell:

Yours truly,

**Joshua Haupt**

*Attached: Resume and Personal Projects*

**Joshua Haupt**

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## Objective

- Soon to be college graduate seeking employment in cloud computing and software engineering
- Receptive to relocation
- **Available starting May 2018**

## Experience

2016–2017 **IT Help Desk, SIUE**, Edwardsville, IL, Part Time: 15 to 30 hours per week.

While, demonstrating expertise and professionalism I helped students, faculty and staff by finding solutions to unique IT problems

- **Role:** Student IT help desk and field tech employee
- **Actions:**
  - Responsible for effective and rapid resolution of Help Desk Tickets
  - Troubleshoot/resolved software and hardware related tracked concerns within established time-frames
  - Worked with minimal to no supervision in resolution of open ticket action items
- **Impact:** Faculty members provided accolades to senior supervisory personnel regarding my demonstrated expertise and professionalism
- **References - may contact:** Mark Dorris - mdorris@siue.edu, James Oberg - joberg@siue.edu

Summer 2015 **National Science Foundation (NSF) Secure Cloud Computing Research Experience Undergraduate (REU)**, *NSF and Missouri S&T*, Rolla, MO, Full Time Research Assistant Internship.

Studied cloud computing approaches, platforms and trends in depth

- **Note:** One of 10 selected from a national pool of applicants
- **Role:** Research Assistant
- **Actions:**
  - Researched, developed and implemented ways to securely store and process private information on public cloud platforms
  - Devised a ranking system to prioritize Cloud Service Providers (CSPs) based on certifications and other implemented security features
- **Impact:** Provided enhanced understanding of various cloud computing platforms, the three service models (SaaS, PaaS, and IaaS), and approaches to utilizing public cloud platforms in a secure manner
- **Reference - may contact:** Amartya Sen - asrp6@mst.edu

## Academic Projects

2017 **DevOps Senior Project, SIUE**, Edwardsville, IL.

Group senior capstone assignment in which I built a toolkit to help students gain an understanding of some of the tools used in a Unix DevOps environment

- **Role:** Linux Expert
- **Actions:**
  - Wrote a Vagrantfile and an Ansible Playbook to provision a virtual development environment
  - Wrote Dockerfiles to provision Ubuntu Linux containers for Java, Python and C++ Socket programming
  - Wrote Travis CI test cases for CI testing
  - Wrote bash and PowerShell scripts to install Git, VirtualBox, Vagrant and Ansible
- **Impact:** Helped create a fully functional end product that met all of the clients expectations
- [github.com/SIUE-DevOps](https://github.com/SIUE-DevOps)

Spring 2017 **Mock Email Client and Server Project, SIUE**, Edwardsville, IL.

Individual networking project in which I build a mock Email client and server

- Utilized TCP, UDP, logging, authentication and external HTTP API calls via CURL
- Utilized SMTP and HTTP status codes and request commands
- Created a simple PHP based HTTP API to assist with encoding and decoding passwords
- [github.com/HauptJ/UDT-Mail-Server](https://github.com/HauptJ/UDT-Mail-Server)

Fall 2016 **Database Project**, *SIUE*, Edwardsville, IL.

Group project in which I helped build an advanced MariaDB database using crime data published by the city of Los Angeles California

- **Role:** Linux Server Expert

- **Actions:**

- Helped design an advanced database using crime data from Los Angeles California
- Took frequent database backups
- Helped setup and managed a MariaDB database running on a CentOS 7 cloud server
- Solved configuration problems that arose with CentOS 7, MariaDB, PHP and NGINX
- Helped create a simple web interface that utilized advanced queries
- Helped a group member resolve technical problems that made it impossible for him to accomplish tasks

- **Impact:** Helped create a fully functional end product that met all graduate level specifications

- [github.com/HauptJ/SIUE-CS-434-Advanced-Databases-Fall-2016](https://github.com/HauptJ/SIUE-CS-434-Advanced-Databases-Fall-2016)

## Working Knowledge

DevOPS	Ansible, Vagrant, Packer, Docker	WebDev	NGINX, PHP, HTML
Programming	C++, Java, Python, Sockets, Linux	Database	MariaDB
IaaS Cloud	DigitalOcean, OVH, OpenStack	SaaS Cloud	Google Apps / GSuite
Testing	Unit Testing, Integration Testing	CI	Travis CI
Sys. Admin	Centos, Fedora, Ubuntu	Network	DNS, TCP, UDP, ICMP, IPv6, CDN

## Basic Knowledge

DevOPS	Chef, KitchenCI	Programming	CSharp, Javascript, CSS
Paas Cloud	Google App Engine	IaaS Cloud	AWS
Sys. Admin	Powershell, Jumpcloud, Systemd	Documentation	LaTeX
Image Editing	GIMP, Greenshot	Video Editing	FFmpeg, Openshot

## Languages

English	<b>Native</b>	
German	<b>Conversational Skill level</b>	<i>Can carry out a basic conversation</i>

## Interests

Group Programming	Working with a group to complete programming projects
Self Improvement Programming	Creating simple projects to learn new programming languages, technologies, and skills
Linux Sys-Admin	Wrote an Ansible playbook to provision a cloud server running CentOS to run a personal website
Net Admin	Set up a router running OpenWRT with tunneled IPv6 and an additional wireless AP for a home network

## Honors

- School of Engineering Deans List
- Awarded Logistics Officer Association Scholarship - 2013

## Extracurricular Activities

- **Co-founder** - SIUE Distributed Computing Club
- Computer Association of SIUE (CAOS)

## Education

2013–2018 **B.S, Computer Science**, *Southern Illinois University Edwardsville*.

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## Personal Projects

### Fall 2017 - Present **WordPress Deployment Project.**

Personal project in which I build a Ansible Playbook and a Terraform script to automatically deploy a WordPress website to DigitalOcean and configure DNS records on CloudFlare

- Included IPv6 support
- Utilized Travis CI for integration testing of Ansible Roles
- Utilized Ansible Vault to protect sensitive variables
- Wrote Vagrantfile that utilized custom build Vagrant box for local testing and debugging
- [github.com/HauptJ/WordPress-CloudFlare-Terraform](https://github.com/HauptJ/WordPress-CloudFlare-Terraform)

### Spring 2018 **CentOS 7 Vagrant Box.**

Personal project in which I build a CentOS 7 Vagrant box using Packer

- Included automatic provisioning with Ansible
- Published to Vagrant Cloud
- [github.com/HauptJ/Vagrant-CentOS-7-HyperV-Gen-2](https://github.com/HauptJ/Vagrant-CentOS-7-HyperV-Gen-2)

### Spring 2018 **Ansible, Terraform, and OpenStack CLI Docker Container.**

Personal project in which I build a simple Docker container with Ansible, Terraform, and OpenStack CLI

- Utilized Travis CI for integration testing
- Published on Docker Hub
- [github.com/HauptJ/Ansible-Docker](https://github.com/HauptJ/Ansible-Docker)

### January 2018 **Python Git Hook and Integration Testing Project.**

Personal project in which I build a simple python program that demonstrates GIT hooks and automated integration testing

- Utilized Travis CI for integration testing
- Wrote separate script to run integration tests and print a report
- [github.com/HauptJ/Value-Cleaner](https://github.com/HauptJ/Value-Cleaner)

### Summer 2014 **TCP IP Web Utility Website.**

Personal project in which I build a simple PHP website that provided TCP IP utilities such as user IP and user agent ping, traceroute, port scan, and nslookup

- Configured a DigitalOcean VPS with the LEMP stack
- Configured DNS records
- Originally published on Google Code
- [github.com/HauptJ/ip-tools](https://github.com/HauptJ/ip-tools)