

# ANDREW CROSBY

SOFTWARE DEVELOPER

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## Profile

After corporate and freelance coding I moved to product owner work. I missed coding and want back in, so I completed a 1+ year self-study.

**Goal:** build deep coding skills, backend or full-stack, in a team environment.

## Technologies

Python	MongoDB	Ansible	PostgreSQL
Flask	Django	git	JIRA
VueJS	Celery	Splunk	Nginx/Gunicorn
Linux Ubuntu	APIs	Deep Learning	AWS

## Education

### MOOC Certificates

Udacity: [Deep Learning Nanodegree](#)

Coursera: [Intro to Data Science](#), [Python Data Structures](#)

Udemy: [VueJS 2 Complete Guide](#)

### North Carolina State University - Continuing Ed

Courses included: Data Structures & Algorithms, Computer Networks, Technology Entrepreneurship, Change Management for Engineers

### University of Virginia - BS Electrical Engineering

Concentration in Digital Systems, included CS courses: Software Dev Methods, Computer Architecture, Computer Organization & Design, Software Engineering

## Experience

### Software Developer

Feb 2017 - Present

Self-Study with Certificates

Studied for 1+ year web dev frameworks and built personal projects

### Jobposts + Tasks

2018

Personal Project

- Built jobpost data aggregation tool in Python, Django framework with PostgreSQL backend, and Celery - [jobposts.awctech.com](https://jobposts.awctech.com)
- Created task management dashboard to track batch and manual tasks
- Wrote provisioning logic for jobpost tool with Ansible and deployed on AWS

### Watchlst.com

2017

Personal Project

- Built movie search app in Python, Flask, Nginx/Gunicorn, MongoDB, VueJS, Ansible - [watchlst.com](https://watchlst.com)
- Added VueJS frontend to let user filter their watchlist by availability
- Architected data aggregation logic with weekly batch job and API sources

### Technical Project Manager

Mar 2015 - Sep 2016

Johns Hopkins Medicine

- Maintained test environments for integration
- Coordinated production install across teams (VM, Desktop, Cloud, Network Security, LDAP, SSO, devs)
- Troubleshot vendor builds and production go-live

- Integrated 3 new enterprise systems to support Electronic Medical Records
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**Product Owner + Devops**  
itMD, LLC

Jun 2013 - Dec 2015

- Automated all test env upgrades with bash script
  - Wrote SQL queries for weekly metrics
  - Planned out Splunk log monitoring, JIRA workflow, and release process
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**System Engineer Contractor**  
Vitus Animal Health, Inc

Apr 2014 - Jul 2015

- Designed architecture to retrieve, store, and display veterinary medical images
  - Deployed and configured the backend dcm4chee open source framework
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**Product Owner + Devops**  
Johns Hopkins Medicine

Aug 2011 - June 2013

- Configured and launched web app to store and transfer medical images
  - Maintained production and test environments with sysadmin and dev
  - Analysis of app log files for troubleshooting
  - Responsible for vendor assessment, release planning, feature roadmap, workflow enhancements
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**Web Developer**  
Freelance

Nov 2010 - Aug 2011

- Built e-commerce sites (PrestaShop CMS), and static marketing sites (Drupal, custom)
  - Coded Google map integration into custom PHP site for food delivery startup
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**Consultant**  
Accenture

Feb 2006 - Nov 2010

- Lead functional designer for 2010 Census mobile app deployed to 120,000 devices
  - Liaison between dev team and customer for feature enhancements
  - Ran team for functional app testing
  - Architected mobile solution for nurses, authored strategy reports for mobile devices
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**Software Developer**  
Accenture

Jan 2005 - Feb 2006

- Coded business logic and front-end of native Windows smartphone app in C#
  - Integrated with custom data-access layer using Sybase database
  - Wrote mapping API doc and integrated app with embedded mapping
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