

Qualifications Summary

- Full-stack developer specializing in data-driven Python web applications.

Github Projects

- **flask-admin/flask-admin**
 - Flexible framework for quickly building web interfaces for database models.
 - Currently a project maintainer and contributor.
- **pawl/MakerManager2**
 - A web interface for managing RFID badges for an access control system.
- **pawl/CalendarAdmin**
 - Implements a submission/approval process for an organization's calendar.
 - Boosts attendance by automatically marketing events with Eventbrite, Meetup.com, and Google Calendar.
- **pawl/Chinese-RFID-Access-Control-Library**
 - Reverse engineered an access control system and created a Python library.
 - Allows automating the removal of users when they fail to pay their bill.

Technical Skills

Python	PHP	Javascript	MySQL	Git
Jinja2	Flask	SQLAlchemy	Docker	Pentaho Kettle
HTML5	CSS	Bootstrap	jQuery	Linux (Ubuntu)

Professional Experience

- Senior Developer, Rewardstyle - Dallas, TX (Mar. 2015 – Present)
 - Responsible for developing and maintaining ETL pipelines for the company's product catalog.
 - Assisting with on-boarding, code review, and bug fixes to legacy software.
- Engineer I, Ericsson - Plano, TX (Aug. 2013 – Mar. 2015)
 - Won an Ericsson PRIDE Award in the category of Processes & Tools. One of only 29 employees (out of approx. 8,000) to receive this award.
 - Used Python, Flask, and SQLAlchemy to develop database-driven web applications to provide useful insights from raw data.
 - Created Python tools to automate data aggregation, scraping, and report generation.
 - Gathering requirements from engineers and taking ideas from prototype to launch.
- Software Development Intern, Ericsson - Plano, TX (Aug. 2012 – Aug. 2013)
 - Built widely used internal web application using a web framework (PHP's Yii).
 - Gained Python experience while creating scripts to automate tasks for network engineers.
 - Learned to use Git and resolve merge conflicts as I worked with other developers.
 - Created an iOS application using Phonegap.
 - Became skilled at creating charts using Javascript charting libraries.
 - Provided Sharepoint support to coworkers.

- Software Development Intern, Delta Steel Technologies - Irving, TX (Mar. 2012 – Aug. 2012)
 - Developed web-based iOS application using PHP, jQuery Mobile, Javascript, HTML5, and Phonegap.
 - Helped to redesign main company website using Wordpress.
 - Built open-source 3D printer to create sales models of company products.

Volunteer Work

- Treasurer, Dallas Makerspace (Feb. 2013 – Dec. 2014)
 - Handled bookkeeping with Quickbooks, accounting, reporting, and billing.
 - Served on Board of Directors from May 2013 until May 2014.

Education

Degree	Major	Institution	Graduation Year
Bachelors	Computer Science	Thomas Edison State College	2013

IT Certifications

CCNA

MCSE

CompTIA Security+

CompTIA Network+

CompTIA A+