

PROFESSIONAL EXPERIENCE

Nativo Inc., El Segundo, CA

July 2017 – Current

Software Engineer – Web Team

- Collaborate with team members on Nativo's dashboard using Python + Flask + Jinja, AngularJS, SQL Server, SQLAlchemy, and more
- Manage and improve previously built services, such as company Chrome extension and automated screenshot service using Python + headless Chrome/Chromium + S3 + SQS
- Work out of JIRA in sprint cycles and communicate with product and other various stakeholders to develop internal and client-facing features
- Provide technical support to Support Engineers (where needed) and mentor new hires on platform and technology stack

Nativo Inc., El Segundo, CA

November 2015 – July 2017

Junior Software Engineer

As an active, integral part of the effort to develop Nativo's next generation platform, top priorities are passion for leveraging technology & software to solve problems and maximize productivity & efficiency, plus:

- Use Python to build & manage tools that automate reporting and other processes by using Selenium, AWS (S3/SQS/SES), Google Spreadsheets API, SQL Server, multithreading, and more
- Support the business by researching, building, and maintaining applications and widgets using front-end (HTML/CSS/JavaScript) + back-end technologies (Python/PHP), ranging from client-facing to internal usage, such as building a company Chrome extension
- Transition proof-of-concept development into production-level applications in accordance with best practices
- Analyze and resolve application problems
- Participate in peer-reviews with Senior team members and expand knowledge of technology stack
- Be a part of building our next generation native advertising platform, while following best practices and contributing to internal knowledge base
- Provide technical support to Support Engineers (where needed) and mentor/train new hires

Nativo Inc., El Segundo, CA

November 2014 – November 2015

Support Engineer

Work on the Publisher side of the platform under the Lead Developer of Publisher Solutions and:

- Build and manage multiple Python web crawlers using Selenium or multi-threading
- Analyze, write, and execute SQL, HTML, JavaScript, and shell scripts to troubleshoot and track technical issues
- Use Python to build tools automating reporting and monitoring processes by using Selenium, AWS (Boto/SQS/SES), Google Spreadsheets API, SQL Server, multithreading, and more
- Develop proof of concept integrations with APIs of third-party and internal advertising platforms
- Investigate ad trackers and third-party ad tags
- Reproduce product behaviors to determine the problem root-cause(s), issue workarounds, and solutions
- Assist internal and external audience by resolving technical and/or user issues
- Communicate status of operational issues with users and/or key stakeholders (where needed)
- Diagnose multi-system production issues by issuing initial response, data gathering, tracking, and resolution where possible
- Assist with campaign/creative troubleshooting
- Mentor and train junior members

Nativo Inc., El Segundo, CA

August 2014 – November 2014

HTML Design Intern

- Customize publisher placements on the biggest media properties in the world using HTML, CSS, and JavaScript
- Create native ad units and sponsored post template pages using internal tools
- Learn publisher ecosystem as it relates to ad tech and integrations
- Contribute innovative ideas in the effort of improving best practices

PROJECTS (more info at www.bryceogden.com)

PyWeather Report & Analysis (www.bryceogden.com/weather) July 2015 – Ongoing

- Gathered weather data on personal Raspberry Pi using Python and Google's weather API since July 2015
- Sends text message with Twilio's Python API to family/friends every morning with daily weather forecast including high/low temperature, conditions, sunrise, sunset, and friendly greeting
- Converted weather data stored as CSV to JSON then upload to AWS S3 bucket
- Made website that uses Google Visualization API and displays weather data retrieved from S3

Web Developer – CentralBarbecue.com June 2015

- Worked with Central Barbecue founder to develop effective, responsive website
- Replaced client-side Instagram API with aggregating and storing @CentralBarbecue JSON feed using Python + AWS S3 and making AJAX request to latest data, in case Instagram API changes (like it did, which ruined the UX)
- Implemented slideshow feature which is touch-friendly for mobile devices (no longer being used as of September 2015)

Creator – Diving Clips Domain (www.divingclips.com) October 2014 – Ongoing

- Built user-friendly website using responsive design that contains links to springboard, platform, and cliff diving videos, as well as motivational clips
- Hosting website through AWS S3, as an exercise for setting up canonical name (CNAME) record and using S3 bucket to host static site
- Dynamically populating video links using JavaScript + AJAX
- Provided user with widget that allows for searching of videos on YouTube
- Created form giving users the option to offer any suggestions they may have

iTunes Web Application April 2013

- Created web app using Python to parse Apple RSS data for iTunes top music, depending on user's selection
- Nicely present music info to user, providing music preview, allowing instant YouTube search for music, and also search music database for specific music

Schurz Code Hunt November 2012

- Developed interactive tool to the public, increasing product/service usage for Schurz Communications and connecting Schurz with other local businesses
- Potentially inspired "Generation Y" student to actively seek the local newspaper, increasing Schurz revenue

"Duckstermination" Python Game November 2012

- Designed user-friendly computer game similar to duck hunt with the use of Python, Pygame, and LiveWires

LANGUAGES + TECHNOLOGIES (# years)

- Python (5), JavaScript (3), jQuery (3), Angular1 (1), Lodash (1), HTML5 (7), CSS3 (7), SASS (1), MSSQL Server (4), Github(3), Jinja2 (1), Flask (1), SQLAlchemy (1)
- Chrome Extensions, JIRA, Docker, ElasticSearch, Headless Chrome, Selenium, PhantomJS, AWS (EC2, S3, SQS), Google Analytics, Google AdSense, PyCharm
- APIs: Google Maps (JS), Instagram (JS), Google Visualization (JS), Twilio (Python), AWS/Boto (Python), Twitter (Python), Google Weather (Python), Geocoder (Python), Google Sheets/"gsread" (Python)

EDUCATION

Indiana University, Bloomington, IN

Bachelor of Science in Informatics

Cognate in Business

May 2014

EXTRACURRICULAR + ACHIEVEMENTS

- Certified USA Weightlifting Sport Performance Coach (L1) & competitive weightlifter
- Indiana University Diving Team Member, 2010-14
- Honorable Mention Academic All-American, 2012-13
- Volunteer at Indiana University Aquatic Facility, 2010-14
- Schurz Innovation Challenge Finalist (*Schurz Code Hunt*), Fall 2012