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Alex DeLorenzo

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Technical Skills

- Backend: Flask, Django, Django REST Framework, node, Wordpress, PostgreSQL, nginx, Docker
- Frontend: Javascript ES6+, React, Vue, HTML5, CSS3, jQuery, Bootstrap, Semantic UI
- Mobile: Flutter
- Languages: Python 3, Javascript ES6+, Java, shell scripting
- Cloud Platforms: AWS, Google Cloud Platform, Heroku
- Developing on and administrating Linux, Mac OS X and Windows systems
- Version Control: git, GitHub, GitLab, BitBucket

Work Experience

Full-Stack Software Developer (Remote) - Technology Credit Inc 2018 -

- Developed REST APIs on backend with Python 3
- Built adaptive help & tour suite on frontend with ES6+, React and jQuery
- Developed real-time interface with WebSockets and Vue

Freelance Software Developer & Technical Writer 2017 -

- Updated, modified and expanded existing software
- Developed business solutions in Python, Java and Javascript for a variety of clients
- Wrote 1,000+ word technical articles on software development and related topics

Full-Stack Developer - SubNotifier 2014 - 2017

- Built a service that connects teachers and staffing agencies. Provides email, SMS and push alerts
- Built backend with PostgreSQL, Postfix, Python 3, Flask, Gunicorn and nginx
- Frontend built with Bootstrap, Javascript, HTML and CSS
- Developed and released an Android client on the Play Store

Data Engineer - OKCupid Data Mining 2014

- Designed a web scraping module with Python 3 to collect data for University research

Projects and Contributions

DupeBot <https://reddit.com/u/dupebro/> 2018

- Built a bot that detects duplicate images, even if they've been modified
- Built a reverse image search engine that does fast $O(\log n)$ image similarity lookups

brightness <https://github.com/thismachinechills/brightness> 2018

- Reverse-engineered CoreDisplay to write a daemon to control display brightness on macOS

Transdroid Search Plug-in <https://github.com/erickok/transdroid-search/pull/44> 2016

- Built a plug-in for an open source Android application

save_skype https://github.com/thismachinechills/save_skype 2015

- Digital forensics script to extract deleted Skype messages from SQLite database

screenshot <https://github.com/thismachinechills/screenshot> 2015

- Automates the capture of specific windows on macOS using Quartz

Education

Brookdale College, Computer Science Lincroft, NJ

GitHub: <https://github.com/thismachinechills> | Site: <https://alexdelorenzo.me>