

Aleck Landgraf

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<http://aleck.me>

Skills Summary

Experienced and caring software engineer, software architect, VP of Engineering, and entrepreneur

- Strong **software development, communication and project management skills, self-motivated**
- **Python experience:** over five years writing python daily for web services back-ends
- **JavaScript experience:** architected and implemented small to large scale web and mobile apps
- **Presented Database Topics** at the Hack Oregon University and python user groups (PostgreSQL, debugging, elasticsearch)
- **Exceptional programming skills in the Python ecosystem** (e.g. Django) demonstrated in open source contributions
- **Strong programming skills in the JavaScript ecosystem** (e.g. Angular, React) demonstrated in OS work and publications
- Expert in software **development tools** (git, Continuous Integration, Continuous Deployment, TDD, coverage)
- Strong knowledge in **database technologies** (PostgreSQL, MySQL, Elasticsearch, Firebase, Redis)
- Versed in **agile methodologies and tools** (scrum, velocity tracking, retrospectives, pivotal tracker)
- **Public git repository** available at <https://github.com/alecklandgraf>

Software Development Experience

Incentivater (Finance technology, bootstrapped)
Co-founder (*Portland, Oregon*)

Aug/16 - Present

- Implemented marketing site, incentivater.com, and rebate submission web app
- Developed mobile friendly front-end in SASS, HTML5, AngularJS, lodash, built with webpack
- Developed Django python back-end with [graphene](#) (Relay) to expose data via a single API endpoint

BuddyUp Inc. (Social network, mobile chat)
Software Consultant (*Portland, Oregon*)

Feb/16 - May/16

- Designed and implemented Elasticsearch analytic back-end to discover key performance metrics (e.g. sign ups per school over time, sentiment analysis to determine if a user or class is happy or not)
 - Created standalone git repo for analytics page with amazing documentation and quick start guide
 - Provided performance stats and documentation to integrate with existing app
- Wrote a hipchat bot plug-in to integrate with the sales CRM, [pull request here](#)
- Analyzed performance issues with the BuddyUp [mobile app](#) (Ionic, AngularJs, Firebase)

Building Energy Inc. (Energy efficiency industry, \$1.6MM+ funding)
VP Software Engineering, Lead Developer, Co-Founder (*Portland, Oregon*)

Apr/12 - Present

- Co-Founded and led the technical development for a energy efficiency software company
- Responsible for hiring and managing the software development team
- Contributed much of the back-end and front-end code paring with awesome deigns of [John Skelton](#)
- Architected scalable and secure infrastructure on AWS utilizing VPCs and in-house deployment tooling
- Managed the successful delivery of over \$2MM in three software contracts to the US DOE

Indie Energy (Geothermal renewable energy)
Solutions Engineer, Lead Developer (*Evanston, Illinois*)

Oct/11 - Oct/14

- Connected building management systems to a cloud app (Django) via specialize hardware/software
- Python, Django, development and integration of new hardware monitoring installations to the monitoring system
- Designed and project managed installations of monitoring hardware
- Implemented i18n in Django for a partnership with a Dutch software company

Other Professional Experience

SMS Systems Maintenance Services (IT Services)
Systems Engineer (*Chicago, Illinois*)

Aug/05 - Oct/11

- Sole web developer and system administrator for the Midwest region
 - Implemented an internal CMS on the LAMP stack
 - Implemented a search engine for the CMS and OEM documentation
- Developed an internal course and trained engineers Solaris Unix administration
- Case managed 50+ accounts for server hardware and software support (IBM, Oracle, HP, EMC, NetApp)

Education

- **Ohio State University, College of Engineering**, Columbus, Ohio, USA
Bachelor of Science in Electrical and Computer Engineering
- Graduation
June 2005

Technical Skills

- Expert in Python ecosystem (e.g. Django, Celery, Redis, REST framework, fabric, flask)
- Expert in JavaScript ecosystem, particularly AngularJS and a working knowledge of React and build tools (gulp, webpack)
- Strong background in REST API development as well as developing API clients
- Strong background in test-driven development, CI/CD platforms and deployments (AWS, Heroku)
- Database working knowledge: PostgreSQL, MySQL, Elasticsearch, Firebase, Redis
- Experience building production hybrid mobile apps with Ionic and React Native

Presentations, Open Source Contributions, and Publications

Related to JavaScript Development

- **An Introduction to Angular 1.5 Components** (3.2k views)
Jun 28th, 2016, Technical Article, <http://bit.ly/2bnBuVY>

Related to Databases and Python Development

- **Introduction to Object-relational Mapping (ORM)**
Mar 20th, 2016, Guest Lecturer at [Hack University](https://github.com/hackoregon/hack-university-orm), <https://github.com/hackoregon/hack-university-orm>
- **Debugging for Humans**
Jan 28th, 2015, PDX Python Presentation, <http://aleck.me/pdbpdx>
- **Using PostgreSQL for Unstructured Data**
Sept 22nd, 2014, PDX Python Presentation, <http://bit.ly/2b4RO10>
- **Elasticsearch, not just for text search**
Jul 23rd, 2014, OSCON Birds of a Feather, <http://bit.ly/2balUwd>

Contributions to Open Source Packages

- [Django Compressor](#), [PyNRELUtility](#), [Django Tastypie](#), [elasticsearch-dsl-py](#), [Django Analytical](#), [ssh2](#), [mcm-core](#), [our-will](#), [hack-university-orm](#), [Gardenio](#)