

Hannes Hapke

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Professional Objective

To expand my career as a software developer working as part of a larger development team.

Skills Summary

- Strong **software development, communication and project management skills, self-motivated**
- Managed **2 commercial projects** and created/contributed to several open source projects
- Expert **programming skills in Python and Django** demonstrated in conference contributions
- **Strong skills in PostgreSQL and JS frameworks**, as well experience with workflow tools such as CI and git
- Years of **technical experience, last as COO** of the technology start-up renooble, Inc.
- **Public git repository** available at <https://github.com/hanneshapke>

Professional Experience

renooble, Inc. (Renewable energy industry, \$100k+ funding, 5+ large customers)

Chief Operating Officer, Lead Developer

Houston, Texas and Portland, Oregon

Feb/14 - present

- Lead developer for the analysis software and API, code base of multiple 50k line modules
- Liaised with investors, mentors and customers
- Participated in the start-up accelerator SURGE

Co-Founder renooble.com

Cowes, United Kingdom and Santiago, Chile

Jan/13 - Jan/14

- Lead for the implementation of multiple product iterations
- Speaker at PyCon Uruguay 2013, submission accepted at PyCon US 2014
- Participation in the Start-up Chile accelerator program

Vestas Wind Systems A/S (Renewable energy industry, 7.2bn EUR revenue, 17,000+ employees)

Financial Engineer, Commercial Project Management

Vestas Australia, Melbourne, Australia

Oct/11 - Dec/12

- Delivery of key models for Executive Management on market strategies and multi-million dollar projects in Australia, India and South-East Asia

Management Training Program at Vestas Wind Systems A/S with positions as:

Aug/09 - Aug/11

Product Analyst, Vestas Asia-Pacific Ltd

Vestas Asia-Pacific, Singapore and Chennai, India

Jan/11 – Aug/11

- Responsible for financial analyses of the costs-out initiatives for Vestas' installations in India

Product Analyst, Product Management

Vestas Technology R&D, Århus, Denmark

May/10 – Dec/10

- Responsible for business cases for executive management on product introductions to India, performed financial assessments and project finance calculations for the cost target

Project Manager Assistant, Project & Product Management,

Vestas Global Research, Århus, Denmark

Aug/09 – Apr/10

- Developed detailed energy storage simulation tools and market overviews for Europe and the USA

Education

- **Oregon State University, College of Engineering**, Corvallis, Oregon, USA
Master of Science in Electrical Engineering, Focus on Energy Systems, GPA: 3.6/4
Graduation
June 2009
- **Oregon State University, College of Business**, Corvallis, Oregon, USA
Minor in Business Administration, Management
- **University of Stuttgart**, Stuttgart, Germany
Electrical Engineering, Pre-diploma
2006

Open Source and Commercial Projects

- **PyZillow** (Creator)
Created a Python wrapper for Zillow's property APIs
- **PyPVWatts** (Contributor)
Rewrote the package to comply with the latest NREL PVWatts v5 API
- **Pophealth Insurance Claim Process** (Commercial work)
Created an AngularJS application for an insurance claim process
- **Open Source Bridge 2015 Volunteer Application** (Contributor)
Rewriting the volunteer application for this year's Open Source Bridge conference
- **PyNRELUtility** (Creator)
Created a Python wrapper for NREL's Utility API
- **PyEXIF** (Creator)
Created a Python package to extract geolocations from images after submitted through Django forms
- **Diabet.io** (Creator)
Healthcare tracking application for diabetics; Gamification app writing in ember.js

Technical Skills

- Expert in Python as well as the Django framework
- Strong background in REST API development as well as developing API wrappers
- Strong background in Java Script, particularly AngularJS and ember.js
- Strong background in test-driven development, CI platforms and deployments
- Strong background in handling of PostgreSQL and PostGIS
- Strong knowledge in common development tools, e.g. git

Language Skills

- Fluent in English and German

Presentations and Publications

Related to Python Development

- **Making Django sites more responsive with REST and AngularJS**,
August 25th, 2014, PDXPython Presentation, <http://slidesha.re/1yoi4Vo>
- **Share your code with the Python world by creating pip packages**,
January 28th, 2014, PDX Python Lightning Talk, <http://slidesha.re/1KO6jhr>
- **From a Python beginner to a Django developer in 6 months**,
2013, PyCon Conference Uruguay, <http://slidesha.re/15290f9>

Related to Wind Energy or other Renewable Energies

- With Z. Wu, K. Haapala, and T.K.A. Brekken, Sustainable Business Practices,
Chapter. **Wind Power Energy Technology and Environmental Impact Assessment**. 2010.
- With T.K.A. Brekken, A. Yokochi, A. von Jouanne, J. Yen, C. Lalla, and D. Halamay,
Optimal energy storage sizing and control for wind power applications,
IEEE Transactions on Sustainable Energy, 2010.
- With K. Haapala, Z. Wu, and T.K.A. Brekken, **Life cycle assessment of modern wind power plants**,
in Proceedings of IDETC/CIE, 2010.
- With T.K.A. Brekken, C. Stillinger, and J. Prudell,
Machines and drives comparison for low-power renewable energy and oscillating applications,
accepted for publication in IEEE Transactions on Energy Conversion, 2010.

Awards

- Top 3 start-up (out of 1,700 submissions) during the Start-up Chile competition
- Scholar of the Landesstiftung foundation of the State of Baden-Württemberg, Germany (2006)
and the Lucent Scholarship Program (2004)
- Finalist in business/technology competitions of Vestas (2008) and Rohde & Schwarz (2005)