

# Sebastian Hanula

## Software engineer

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## About

Software engineer focused on performant web systems. Skilled Python programmer. More than 10 years of professional web development.

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## Skills

### Programming

- Python, +10 years
- Javascript, +14 years
- CSS/HTML/HTML5, +15 years
- C/C++, intermediate, +8 years
- Bash, intermediate, +5 years,
- Go, novice, +2 years
- Rust, novice, +1 year
- PHP, not used anymore

### Technology

- Git, Mercurial, Bazaar
- PostgreSQL
- MySQL
- Cassandra
- ElasticSearch

- Redis
- Memcached
- MongoDB
- Docker

## Languages

- Polish, Mother tongue
  - English, Fluent
  - German, Basic
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## Work Experience

### Thingr

#### **Founder and developer**

2014 - Present

<https://thingr.com> (<https://thingr.com>)

Knowledge management, discovery and collaboration service. Startup project.

- Frontend and backend development.
  - SOA ([https://en.wikipedia.org/wiki/Service-oriented\\_architecture](https://en.wikipedia.org/wiki/Service-oriented_architecture)) architecture. Dockerized (<https://docker.com/>) containers.
  - REST API server, distributed task queueing, web content extraction and analysis.
  - Python's Pyramid web framework (<http://www.pylonsproject.org/>) and SQLAlchemy ORM framework.
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### Simbin AB

#### **Senior Python Backend Programmer**

2012 - 2014

<http://game.raceroom.com/> (<http://game.raceroom.com/>)

- Developed Cassandra-based systems: generic content metadata, user activity feeds,
  - Elasticsearch-based content search.
  - Designed and developed game content permission system for users to buy, lend, and try content from the store. Dynamic permissions based on time, availability and user properties like location, owned content and role groups.
  - Custom Go-based statistics server which aggregates context based game activities and achievements.
  - Introduced better quality with strong TDD, continuous integration and development focus.
  - Major role in design process of game features and services.
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### Gemilo OY

#### **Python Web Developer**

2008 - 2012

<http://www.gemilo.com> (<http://www.gemilo.com>)

Front and back-end development of large, multipurpose collaboration SaaS platform.

- Design and development on major system components: permission system, caching framework, comments and blogging systems.
  - Development of in-house tools for Scrum management, server monitoring, Database migrations and more.
  - Pylons web framework / PostgreSQL / Javascript.
  - Strong TDD approach.
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## Youplanet

### **Javascript frontend developer**

2008

Contracting job to help build a traveling site.

- Javascript tools and components.
  - Google maps integration.
  - Usability advisor.
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## i123.pl

### **Founder, Python Developer**

2006 - 2009

<http://i123.pl> (<http://i123.pl>)

Multiple service-oriented tools and a community portal. (video bookmarking, rss reader, TODO app, meta search engine).

- First big python project.
  - [www.i123.pl](http://www.i123.pl) - Meta search engine, aggregating and prioritizing polish content from Google, Yahoo, MSN Search and polish search engines.
  - [rss.i123.pl](http://rss.i123.pl) - Personalized RSS feed reader.
  - [video.i123.pl](http://video.i123.pl) - Personalized video aggregator. Users could upload own videos or use services like Youtube, Google Video, Vimeo, Metacafe (and others) to keep and share their videos.
  - [tudu.i123.pl](http://tudu.i123.pl) - Javascript TODO app.
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## Stbit

### **Founder, Python/PHP developer**

2004 - 2006

Consulting and web development agency.

- Plan, design and develop PHP software.
  - Web security consulting.
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## Projects

### BetaFrontpage

**Frontend and backend developer**

8.2014

<http://www.betafrontpage.com> (<http://www.betafrontpage.com>)

BetaFrontpage lists startups frontpages. Full screenshots for inspiration and product discovery.

- Pyramid web framework (<http://www.pylonsproject.org/>).
  - Docker (<https://docker.com/>) for screenshot grabbing service.
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### Wwwino.pl

**Developed web spider and search engine. Frontend and backend development.**

2014 - Present

<http://wwwino.pl> (<http://wwwino.pl>)

Wine search engine and price comparator for Polish wine consumers.

- Pyramid web framework (<http://www.pylonsproject.org/>).
  - ElasticSearch.
  - Web scrapping.
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### Piwwwo.pl

**Frontend and backend developer**

08-2014

<http://piwwwo.pl> (<http://piwwwo.pl>)

Piwwwo.pl is a beer journal and brewery database.

- Pyramid web framework (<http://www.pylonsproject.org/>).
  - SQLAlchemy ORM framework.
  - PostgreSQL database.
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## Education

AGH University of Science and Technology, Kraków, Poland

2002 - 2011

Computer Science

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## Interests

- General Computer Science

- Web scalability and performance
- Science
- Astronomy
- Motorsport
- Football

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(<https://github.com/hanula/resume>)