



Simon Hofmann

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# Simon Hofmann

## Software Developer

### Persona

#### Name

Simon Hofmann

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#### Date of Birth

11/20/1986, Straubing

### Education

**04/2014 - 12/2016, FAU Erlangen-Nürnberg**

M.Sc. Computer Science

**10/2010 - 03/2014, OTH Regensburg**

B.Eng. Renewable Energy and Energy Efficiency

**09/2008 - 07/2010, Eckert Schools International Regenstauf**

State-certified Mechanical Engineer

**02/2007 - 08/2008, Kurt Willig GmbH & Co. KG**

Precision mechanic

**09/2003 - 02/2007, Kurt Willig GmbH & Co. KG**

Apprentice precision mechanic

**09/1997 - 07/2003, Secondary school**

**09/1993 - 07/1997, Elementary school**

### Theses

**04/2016 - 09/2016, FAU Erlangen-Nürnberg**

*"Writer Adapted Handwriting Synthesis using Recurrent Neural Networks"*

**10/2013 - 02/2014, Continental AG**

*"Development of a REST Compliant Framework for Secure and Distributed Software Builds"*



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## Work

### 01/2017 - , ConSol Consulting & Solutions Software GmbH

Front- / Backend Software Developer

- **Web application prototype**

Our team developed a prototype to organize and track decision making processes within large organizations. In this project I developed a document management system mock, as well as a service to export data in Microsoft Office file-formats. For a quick overview on the front-end I created a wrapper for a third-party library to integrate with Angular and work with our data.

*Spring Boot, Hibernate, Git*

*Angular, TypeScript*

*MySQL*

*Apache POI*

- **Development and maintenance of an existing REST service**

Our team took over development and maintenance of an existing REST service for an international customer. My responsibilities included requirements management, development, regular code reviews as well as customer support and on-call service. Within this project I designed and integrated a system for automated testing for continuous integration and migrated the application to OpenShift.

*OpenShift, JEE 7, Payara, Git, Jenkins, Jira*

*PostgreSQL, FlyWay*

*JUnit4, EasyMock, PowerMock, Citrus, SoapUI*

*Kibana, Dynatrace, SonarQube*

- **Development and maintenance of a REST service on OpenShift**

Our teams responsibility was the development of a new REST service which was intended to run on OpenShift. Within this project I was involved in requirements management as well as design and implementation of the service. It was also my task to keep the service OpenShift compliant.

*OpenShift, JEE 7, Payara, Git, Jenkins, Jira*

*PostgreSQL, FlyWay*

*JUnit4, Mockito, Citrus, WireMock*

*Kibana, Dynatrace, SonarQube, Swagger*

### 08/2015 - 08/2016, monasterium.net

Freelance developer for an image processing / machine learning system for automated document processing.

### 07/2014 - 03/2016, FAU Erlangen

Student Assistant at the Chair of Pattern Recognition  
Department Computer Science

### 10/2011 - 08/2013, OTH Regensburg

Teaching Assistant for Lectures Computer Science 1 and 2  
Department Electrical Engineering



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## Projects

### 03/2016, [tiling-styles.org](http://tiling-styles.org)

Development of a web service to share window manager configurations.  
*Python, Flask, SQLAlchemy, MariaDB*

### 01/2015 - 12/2015, [faudroids.org](http://faudroids.org)

Android / Web Developer on 12 different projects, one for each month in 2015  
*Android, Java, GreenDAO ORM, Python, Bottle*

### 03/2018 - 04/2018, [wddng](http://wddng)

Development of a Progressive Web App (PWA) for my wedding.  
*JavaScript, CSS3, HTML5, Auth0, Python, Flask, Sentry, SQLAlchemy, SQLite*

## Publications

### [IEEE International Conference on Image Processing \(ICIP\), 2016](#)

*Vesselness for Text Detection in Historical Document Images*

### [Illuminierte Urkunden, 2016](#)

*Automatische Erkennung von illuminierten Urkunden*



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# Skills

## Certificates

- ISQTB Certified Tester – Foundation Level

## Platforms

- Linux
- macOS
- Windows
- Android

## Programming Languages

- Java
- Python
- C++
- JavaScript

## Libraries / Frameworks / Tools

- Java
  - Spring
  - JEE
  - JUnit
  - Citrus
  - Mockito
  - EasyMock
- Python
  - PowerMock(ito)
  - Flask
  - OpenCV
  - scikit-learn
  - NumPy
  - Theano
- C++
  - Sentry
  - JavaScript
  - Angular
  - OpenCV
  - Qt

## Version Control

- Git
- SVN
- Bazaar

## Build Tools

- Maven
- CMake

## Container Technologies

- Docker
- OpenShift

## Languages

- German – native language
- English – fluent