

MARTIN HÄCKER



CONTACT

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PROFILE

Martin has 23 years experience developing software and solving problems. He has worked in companies ranging from small startups to medium-sized companies, both on-site and via teleworking. Martin's previous experience includes senior roles in software development and DevOps, experience in web, Mac and iOS development. Martin's mother tongues are German and Python.

Technology focus

Full-Stack Development (REST, Python, JavaScript, API-Design, Security)

DevOps Bare-Metal Linux, Docker/Container

Cross-Cutting Concern Automated Testing and Reliability (CI/CD, Infrastructure as code, Pipelines), Scrum/Agile Development (Scrum Master, iterative und inkremental, Lean Management), Open Source/Free Software

Availability

For permanent positions full-time, for freelance activities up to 35 hours / week, from mid-2021.

Martin works from Berlin and is available for teleworking (preferred) and on-site work (limited travel). Teleworking only during the pandemic.

Education

Computer scientist, Technical University of Berlin (2007). Focus on operating systems, networks and distributed P2P systems. Minor subjects: psychology, usability, refactoring.

Certified Scrum Master (2010)

Technology Matrix

I'm learning

Vue.js, Deep Neural Networks, FastAI

I'm best at

Python 2/3, Automatisierte Tests, UnitTests, Selenium/ Webdriver, CI/CD, Refactoring, Infrastruktur als Code, Jinja, SQLAlchemy, Alembic, API-Design, REST APIs, Shell, Nginx, CSS, Sass/SCSS, HTML5, JavaScript, jQuery, MySQL, SQLite, git

I'm good at

Flask, Pyramid, Django, Tornado, PyPy, Microservices, Numpy, Pandas, Jupyter, Security, Ruby, Capybara, Apache HTTPD, HaProxy, Caddy, Jenkins, InfluxDB, Redis, LDAP, CoffeeScript, Bokeh, Jasmine, Underscore.js, Backbone.js, Marionette.js, Jasmine.js, Moment.js, JSON Editor, Matplotlib, FontAwesome, Bootstrap, OpenIDConnect, OAuth, Ansible, Linux Administration (RedHat/ CentOS, Ubuntu), Icinga, Reproducible infrastructure, Docker/ Container, Scrum / Agile Development (Scrum Master, iterative und inkremental, Lean Management), Open Source/Free Software

I was once good at

Objective-C, Cocoa, XCTest, CoreData, Xcode, C/C++, Java, SmallTalk, R, TypeScript, CoffeeScript, Ember.js, SproutCore, Angular, D3, Make, LESS, Autotools, Vagrant, Puppet, RabbitMQ, ZeroMQ, Mercurial, Bazaar, SVN, CVS, ZODB, Zope, MongoDB, Java, Eclipse, Trac, Bitten, SyncML, Bluetooth, XML-Schema, XPath, Networks und P2P Systems, Concurrent programming, Assembler, Usability, RDF, Ontologies, 3D-Modelling, Maya, Arduino

CREDENTIALS

2011-today: Educational platform with predictive analytics

Customer: Education platform provider (B2B), Berlin

Role: Senior software developer

Full-stack product development for an educational platform from the beginning to production (development team of 3-6 employees). Real-time interaction (social) and gamification using asynchronous paradigms and an extensive JavaScript client, implementation of data models to measure and control learning progress (maximum likelihood estimation, clustering), service-to-service communication. Release management and quality assurance using CI / CD (automated unit and acceptance tests), operation (DevOps) of the platform as a private cloud for several thousand parallel users and deployments of up to one hundred thousand users.

Technologies: Python 2/3, Tornado, Pyramid, Flask, SQLAlchemy, scipy, pandas, jupyter, Zope, Bokeh, Jinja2, R, nosetests, Selenium/webdriver, JS, jQuery, Backbone, Marionette, Bootstrap, SCSS/SASS, LESS, CSS, HTML5, Ansible, Puppet, nginx, haproxy, Jenkins, Docker, Red Hat/CentOS, MySQL, SQLite, Redis, GIT, Mercurial, SVN.

2017-2018: Archive insight web application

Customer: Pharmacy data center

Role: Leading developer

Development of a web application from prototype to production.

Technologies: Python 3, Flask, Bootstrap, Sass, Json Editor, SQLite, git

2015-2020: Employee participation platform

Customer: Cooperative / EU Research Association, Berlin

Role: Senior Developer, Consultant

Consulting and strategy development, as well as front-end development of an employee participation platform in an EU research project on participation culture in companies.

Technologies: TypeScript, Angular, SASS/SCSS, CSS, Python 3, Ansible, ZODB