



Patrick Reinbold

has been coding for over 20 years

📍 Berlin, Germany

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🐙 github.com/st-patrick/interview-challenges

Professional experience

Freelance Full Stack Developer (smaller projects)

2017-12 - today

self-employed, Berlin & Los Angeles

Working on different projects:

- Atelier Schirmbeck / August Pfüller: Building automated exports and imports to external APIs from Frankfurt Airport onlineshop and Advarcis store management system. **WooCommerce, Wordpress, PHP, SOAP-API** and **Google Translate API**.
- Share the wealth LLC: optimizing **Google AdWord search campaigns**, designing and programming the **conversion funnel and frontend** necessary.
- Digital Partners GmbH: Maintaining and extending a B2B portal webapp based on **NodeJS** and **React**. **CI** with distelli. Database management and analysis with **MongoDB** and **Mongoose**. Maintaining the search engine built on **ElasticSearch**. **Webpack** for dependency and environment management.

Entrepreneur in Residence

2020-02 - 2020-07

Antler Stockholm

- Working on several startup ideas in a community of accomplished professionals and founders
- Creating the concept for a retro gaming platform offering instant play for pre-2000s videogames on a subscription basis.
- working on **emulation technology** for several platforms (SNES, NES, GBA, etc...)

Head of Digital

2018-12 - 2020-01

mc-quadrat Marken- und Kommunikationsagentur OHG, Berlin

- **Leading a team of 5** in development of mobile apps, a job portal, responsive websites and internal tools. Created goal assignments and mentored every team member in their coding and thinking skills. Improved employer branding via hackathons, instagram, blog posts.
- tech stacks: **Ruby on Rails, Flutter, PHP & Wordpress, Gatsby JS, Unreal Engine 4 + C++** (with SteamVR), **docker**
- skills trained: Leadership, project management, **profiling** with JetBrains profiling tools, database relations design.
- notable work: **designed, planned and created the new German red cross job portal from scratch**: <https://jobs.drk.de/>, **KPMG** automotive study website, several websites for T-Mobile parent company Telekom

Lead Developer

2018-03 - 2018-11

BankenScore, Berlin

- designing and programming the entire frontend (landing pages, login area, etc.). **HTML5, CSS3, JavaScript, Bootstrap 4.1**. Implementation of **conversion tracking for Google Analytics**. Setup of Wordpress with PHP for the content management of company blog.
- leading backend developers, connecting data to the frontend, connecting external APIs (in this case from credit scoring agencies), fixing bugs and implementing new logic. **SOAP-APIs, Python, Django, PostgreSQL, Zeep**
- **delegating (agile)** backend development to an external agency during the first 3 months via Trello boards
- **optimizing Goole Ads Search Campaigns** lowering CPA to less than half within two weeks.

intern >> Freelancer >> Fullstack Developer >> CTO

2015-03 - 2017-12

MieterEngel.de, Berlin

First and responsible-for-everything tech employee who built the website from ground up. Developing a web platform for renters to get quick and qualified advice from experienced attorneys on rental law problems.

Skills applied and trained: **PHP, Wordpress, WooCommerce, HTML5, CSS3, JS, NginX, Apache, Ubuntu, Git, Docker, agile development, Heidelberg escrow payment integration, Hubspot API integration, Express / NodeJS, NodeJS server management with PM2, Bootstrap 3.6, MySQL, responsive design, UI/UX Design, project management.**

Education

Computer Science and Media (online, in addition to my fulltime work)

2019-04 - today

Beuth-Hochschule Berlin

classes: fundamentals of programming 1+2 (**Java**), ERM-generation, introduction to operating systems and computer architecture, media design basics, principles of communication and leadership, user interfaces, relations and functions, **c++** programming

medicine

2015-10 - 2017-02

Philipps-Universität Marburg

classes: human anatomy, biochemistry, sociology, psychology, chemistry and physics. Volunteering in the organization and hosting of the teddy bear clinic (a day to teach children that they don't need to be scared to go to the doctor) of our university, also maintaining their **Joomla**-based website.

mathematics / computer science

2010 - 2011 and 2014 - 2015 and 2017 - 2018

Technische Universität Berlin

classes: computeroriented math 1+2, advanced algorithmic math 1+2, linear algebra 1+2, calculus 1

Learning about common algorithms (sorting, hashing, shortest path, heuristics for the TSP, different algorithms for solving nonlinear programs, ...), P / NP complexity, data types, calculating runtime orders for algorithms. Programming all algorithms in **Java** and **C**

High school

2000 - 2009

Leibniz-Gymnasium Rottweil

Graduated with a grade of 1.5. Focal classes: Physics and Arts. Founder and teacher of the coding group (for learning how to code in **Java**), school newspaper editor-in-chief, host through the once-a-year cultural event where all students show off their non-school-related skills.

Awards, other tech skills, personal interests and languages spoken

awards: several national mathematic prizes, software prizes for educational software "Physix" (written in Java), e.g. by the Klaus Tschira foundation (founded by SAP co-founder Klaus Tschira)

Technical skills from unpaid projects: Unity 3D, SDL2, Basic, Java, Blender, GIMP, cryptography and different encryption algorithms and software, Assembler x86, native Android Development

Other personal interests: **Los Angeles**, **Drawing** (from photos, real objects, tutorials and other resources), **attend game jams (Berlin Mini Jam)**, educational videos about design / color / composition, psychology, body language, **business**, management, leadership, film, music production, hosting Hackathons (<https://www.meetup.com/de-DE/Berlin-Major-League-Hacking/>), Yoga, acting, dancing, half-marathons, Wing Tsung Kung Fu,

Languages spoken: German (native), English (fluent), French (rusty), Spanish (beginner+), Hungarian (beginner)

some select books I endorse: Zero to One (Peter Thiel), Why We Sleep (Matthew Walker), herding cats, venture deals, the mythical man month, The Lean Startup (Eric Ries), Python Crash Course, zero: the biography of a dangerous idea

select events I attended: VR delegate trip from media:net Berlin-Brandenburg, networking with decision makers in companies such as Technicolor, Verizon, Disney, Fox Studios and the motion picture academy.

select non-university courses I worked through: HarvardX CS50's introduction to Computer Science, YC Build Sprint