

# Fabian Popa

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## Skills

### Web

- designed, developed, and deployed web applications interacting with diverse APIs
- set up and maintained Linux servers with solution stacks and application code tuned for high security, lean networking, and low resource footprint
- experienced in TCP/IP, scalable architectures, distributed systems, information retrieval, recommender systems, and passionate about good UX at all levels

### General

- extensive experience with Java, Python, JS, HTML, CSS; mid-level Go, C, C#
- Oracle certified SQL developer, skilled with MySQL, PostgreSQL, and Redis
- gadget-level electronics and embedded systems skills: laid out, manufactured, and planted PCBs from scratch with SMD components, programmed microcontrollers, 3D-printed housing assemblies, identified and sourced best possible parts

## Work Experience

### Freelance / RO & DE / Product Developer (2011 – 2012, 2014 – present)

- developed touchscreen payment terminal for gas stations, taking cash, credit cards, and barcode vouchers throughout 24h weatherproof operation
- developed nutrition application for insight into macro- and micronutrient values at each meal and overall adherence to RDAs and the user's preferred diet

### Siemens / RO & DE / Product Manager Inbound (2012 – 2014)

- managed team of 7 in redesigning the medication solution that is part of the i.s.h.med hospital information system, resulting in €700,000 in new contracts, the first reference customer in a key market, and a new commitment to usability

### Google / USA / Software Engineering Intern (2011)

- web developer working on youtube.com and cms.youtube.com
- implemented diverse display and data export features for rights holders
- demonstrated improvements for a faster embedded YouTube player, a more useful Gmail inbox filter, and a more relevant Google News rank

### Europa Fachpresse Verlag / DE / Online Project Consultant (2008 – 2009)

- cut page load time on wuv.de by 50% (3 million page views / month)
- developed analytics dashboard with key business metrics and custom data mapping (e.g., web traffic and number of active print and newsletter subscriptions correlated in time with user calendar entries for promotion, development, and outreach)

## Initiatives

### Localization / Google / master's project (2011)

- mapping out individuals in a room using the microphone signal from their phones
- research project looking into new social functionality for Google+

### Instant / bachelor's project (2007 – 2009)

- personalized news service built on evolving content-aware user interest profiles
- recommender scored 562% more articles read vs. random suggestions

### TUM University Information Service / co-founder (2007 – 2008)

- campus-wide IP-based multimedia information system with 24h operation
- news, next subway departure, cafeteria schedule tailored to the display location

### Romanian Students in Munich Association / co-founder (2007 – present)

- maintain a cultural community and aid incoming students of all nationalities
- registered in 2007, official non-profit status achieved in early 2009

## Education

### Carnegie Mellon University / USA / MSc. in Information Technology (2009 – 2011)

- GPA 3.77 (94.25%)

### Technische Universität München / DE / BSc. in Information Systems (2006 – 2009)

- thesis "Interest-based Content Filtering" – grade 1.3 (approx. 93%)