

Fabian Popa

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Skills

Web

- designed, developed, and deployed web applications interacting with diverse APIs
- experienced in full-stack networking, scalable architectures, distributed systems, information retrieval, data analysis, recommender systems
- set up and maintained Linux servers with solution stacks and application code tuned for high security, lean networking, and low resource footprint
- passionate about good design at all levels (product UX, visual, copy, code)

Development

- extensive experience with JS, HTML, CSS, Python, Java; 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 parts worldwide

Work Experience

Freelance / RO & DE / Software Engineer (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 (2012 – 2014)

- managed team of 7 in redesigning the medication solution 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 Google News rank more relevant to public interest

Süddeutscher Verlag / DE / Front End Developer (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 with 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 since 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%)