

Fabian Popa

@fabpopa

Experience

- 10+ years developing highly usable software and hardware products
- directed multidisciplinary teams of up to 12 people
- designed, manufactured, and placed electronic PCBs from scratch with SMD parts
- programmed 32bit ARM and 8bit AVR microcontrollers
- designed and rendered high-fidelity CAD models with care for manufacturability
- selected and prototyped materials for optimal structural and aesthetic features
- 3D printed and CNC machined precision parts and complete assemblies
- established worldwide supply chains and just-in-time procurement flows
- participated in clinical studies on nutritional intervention and metabolic outcomes
- passionate about self-tracking and influencing of biomarkers for improved health

Employment

Ubuntu / USA & UK / Software Engineer (2015 – 2016)

- developed Ubuntu Store for the new Snappy package manager and IoT ecosystem

Fami Electronic / RO / Engineering Manager (2014 – 2015)

- developed touchscreen payment terminal for banknotes, credit cards, and barcode vouchers with 24h uninterrupted weatherproof operation

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

- directed team of 7 in redesigning the medication feature of the i.s.h.med hospital information system with a focus on usability and patient safety (widely in use at the major hospitals in DE, AT, and CH)

Google / USA / Software Engineer (2011 – 2012)

- web developer working on youtube.com and cms.youtube.com
- implemented playback and analytics features with global reach

Süddeutscher Verlag / DE / Front End Developer (2008 – 2009)

- cut page load time on wuv.de by 50% (3 million page views / month)
- developed internal analytics dashboard with key business metrics (e.g., web traffic and print subscriptions correlated with past promotional activities)

Academic Research

Localization / Google / Master's project (2011)

- mapping out individuals in a room using the microphones in their personal devices
- research project looking into new social functionality for Google+

Instant / Bachelor's project (2007 – 2009)

- semantic, scalable, and fault-tolerant personalized news service
- recommender scored 562% more articles read vs. random suggestions

TUM University Information Service / student initiative (2007 – 2008)

- networked multimedia information system with 24h operation across 3 campuses
- news, subway departures, and cafeteria schedule specific to each display location

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%)