

Szabolcs Emich



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PROFESSIONAL PROFILE

Highly proficient IT professional with more than 15 years of IT industry project experience, comprehensive business/technical skill set and expertise in process improvement (agile methodologies), research and development, social networking, systems integration, requirements analyses, workflow design, product and project management, estimation, leadership, quality assurance, software development, deployment, product sourcing, supplier sourcing and high level communication.

Innovative, self-motivated, enthusiastic team-leader, advisor.

AREAS OF EXPERTISE

- Change management, team forming - mentoring, process integration, process development and optimisation, high level reporting
- Project Management methodologies (coaching): SCRUM, Prince 2, Agile programming, eXtreme Programming, distributed team management
- Live streaming on web and mobile platforms, high availability, and scalable services
- Product deployment processes on different platforms (Web, iOS, Android, ...)
- Software Engineering (Software Development Processes)
- Research and development in many IT areas
- Requirements engineering (user story, use case and scenario description), UML
- E-Learning methodologies, E-L framework designing, lesson development
- Quality assurance, development of coding practices, API documentation
- Development tools (Eclipse, Coda, Zen), extensive multi-platform, multi-technology, and integrational skills, expert practice of CVS and SVN (branching)
- Solid knowledge of Microsoft Project for project definition, planning, monitoring, and programming
- GUI, architecture, integration, and testing
- Expert knowledge of Unix and its use in high-availability server systems, commercial (AIX, HP-UX, Solaris, Tru64) and open source (Linux, FreeBSD, OpenBSD)
- Expert knowledge of Microsoft operating systems: DOS, Windows (3.1, 95, 98, NT, ME, 2000, XP, Server 2000, Server 2003, Server 2008, Vista, 7).
- Expert knowledge of other operating systems: Mac OS-X, OS/2, BeOS
- Training and coaching experience (SCRUM, Macintosh and Windows softwares, Internet, Network)

PROFESSIONAL EXPERIENCE

Creative Technology Manager — Sep 2010 –

Freelancer / entrepreneur

- Working on several **R&D** projects related to smartphone technologies (**iOS** and **Android** mostly)
- Creating **e-learning** courses, helping startup organizations and companies to use the most effective online tools and **methodologies** (SCRUM, XP, Kanban) in their processes.
- Developing **UI mockups** for complex dashboards and for various mobile products. Researching and developing new **mashups**, blending the most effective new web2 (and mobile) technologies.

Manager of engineering — Sep 2009 – Aug 2010

Ustream Hungary Ltd. (120 employees)

- Successfully **managed the growth** of the company from 30 engineers to 110. Took on key role of evolving a **company culture**, implementing **new processes**, communication channels and workflows, which result was the highly elated acceptance from the BD and Product development departments in US toward the engineering team.
- Supervised and managed the **implementation of the SCRUM** methodology, evangelized the agile methods and **eXtremeProgramming** practices. Playing a role of **Product Owner** and **Scrum Master**, participating in sprint plannings, reviews and retrospectives. The outcome of this implementation was a clear and transparent development process and efficiency metrics across 15 teams.
- **Researched and advised** new standards and product lines.
- **Coordinated and managed the Project Managers** work. Helping them with a vision of a scalable end efficient company culture, researching methods and tools and creating them templates for reporting and managing the teams. The successful transition from an ad-hoc development to a professional and transparent team work was my biggest achievement.
- **Supervised dev team meetings** on feasibility, timelines, roadmaps and technical design with emphasis on scale - tech communication with US colleagues.
- Supervised the **high level communication** with key partners as Twitter, Facebook, Google, Adobe, etc.
- Contributed in a **long term strategy - vision planning** with product owners and tech leads. Introducing and developing new roles (product owners, business analysts, architects, test automation experts, user experience experts), hiring project managers/scrum masters and a HR manager.
- Managed **third party solution implementations** and resolved the impediments with a clear communication.
- **Overall engineering leadership:** up-to-data oversight of Mobile, Web, Flash and Netops areas.

IT manager, business analyst, project manager, chief architect — Jun 2003 – Jun 2009

NetGRAL Ltd. (12 employees)

- Supervised the distributed development team, staff of 20, and actively participated in building a new **PHP development framework** resulting a database and OS independent framework, which is the core system deployed in different environment (UNIX, Linux, Windows Server 2003, Oracle, Postgres, MSSQL, Mysql) for about 15 clients.
- Contributed to pre-development phases, including requirements, modeling, and pre-project stages (**UML-based OO analysis** and design, interaction with business process reengineering consultants) in more than 50 projects of the value from \$5000 up to \$200000.
- Supervised a small group of **system administrators**, solving several maintenance issues in heterogeneous network and server infrastructure, making possible for small companies with distributed office network to achieve sustainable growth.
- Took on key role on planning a new **document management system** (DMS), to lead a group of developers and help the sales process, making possible to deploy the DMS for 4 client companies (more than a thousand employees each); the software helps these companies to eliminate the need for antiquated, obsolete hardware and software, and to speed up document processing up to 400%. Their saving was up to \$200 000 / year after the deployment of the new system.
- Introduced and developed best practices for software quality enhancement and development, including CVS, SVN, SCRUM methodology, configuration/build tools, automated regression testing, documentation design, coding practices, and development strategy to ensure the quality and professional aptitude of software development processes.
- Contributed in design the **applied telework methodology**, writing several essays and protocols and lead the development team of 5 programmers to make web based programs for project and time management; it makes possible to communicate with Hungary -s largest telework society, and to gain quality assured resources of it, for several software development projects.
- Played key role as liaison with clients in problem solving, project status updates, gathering performance measurements of new **workflow system**, and generating positive impression that contributed to renewal of client IT contracts for development of 2 additional program versions and constant maintenance.
- **Managed releases of PHP based application** used for data cleansing of critical core data in National Statistic Center that formed basis for all reporting; assisted developers in prioritizing changes to PHP regimen assignment application and then scheduled changes that most significantly improved regimen assignment specialists' productivity, timeliness, and efficiency.
- Installed and **maintained** three Linux (Debian) and two OpenBSD servers, configured and optimized apache, bind, PHP, Samba, print services, firewalls, MySQL and

Postgres database systems, network customization to ensure stable, uninterrupted web and database service for more than hundred of clients without any incident during a 5 year period, resulting: highly satisfied clients and a very low cost support center.

- Created a new, three layer, localized SPAM filter, based on Spamassassin; the solution has a user friendly, mail client independent SPAM and HAM customization method; it reduced the number of SPAM –s in inboxes by 200%, and reduced the number of false alarms under 0.01%.

Senior technical consultant – Dec. 2002 – Jun. 2003

Synergon zRt. (400 employees)

- Design and implement **e-learning strategies**, changing the company's policy about e-learning development, moving from framework development to content development; wich helped the Synergon to find new markets and to sell more framework deploy and customization.
- Played key role in the **project of transition** from the old, inefficient e-learning system, resulting hundreds of thousand dollars in lost revenue, to new, state-of-the-art e-learning application that created potential for future business growth, and improved MOL's (Hungarian Oil Company, ten thousands of employees) competitive position.
- Creating a new **E-Learning content development system**, which is capable of generating SCORM compatible courses with pictures, flash movies, customizable templates; it was used by five specialists, creating three new courses per week.
- Creating **pre-sales presentations**, helping in sales process, understanding the special needs of customers and translate it into technical plans.
- Maintaining the Company's Unix based web server, suggesting and implementing the configuration changes, I fixed up, up to 50 security holes, resulting a web host with much less security threat.
- Helping in the Company's own **web development**, customizing the new content-management system, making the content modifications easier.

Senior IT consultant – Sep. 2001 – Dec. 2002

Eduweb zRt (50 employees)

- I have designed a new **e-learning framework** from scratch; coordinating, leading the one year development cycle in UNIX – Perl – Apache environment; the framework was deployed for six client next year.
- Designing and coordinating a new **LMS and LCMS system development**; creating a new html based course editor with rich text editor and SCORM capabilities.
- Designing **e-learning methodology**, which had been the first complex methodology in the country, at that time; it enabled to employ distributed experts and keep the high quality in creating e-learning courses.

IT manager, CIO – Oct. 2000 – Sep. 2001

Eduweb Kft (6 employees)

- Maintaining and coordinating the startup company –s **IT infrastructure**, including servers, linux (RedHat) workstations, development environment and hosting.
- **Project management**

CEO, co-owner – Jun. 1998 – Oct. 2000

3Con Bt (3 employees)

- Building a startup company, working on web development projects, programming new web shops, creating web design, maintaining databases and hosting 22 client web sites.

Web references:

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- www.startutazas.hu
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- www.emich.hu
- www.ustream.tv

IT specialist –1995 – 2002

- As technical consultant, presenter and Unix specialist, assist in sales, marketing and deploy process of high availability (99.9993%) **STRATUS servers** (HP-UX)
- Designing and creating **3D animations** using 3D Studio Max, for demonstrating an ion beam thinning device, for Technoorg LINDA Ltd.
- **System administrator** and IT consultant in 2 DTP studios, maintaining the special AIX Unix based Apple platform and Heidelberg workstations.
- **DTP operator** in TIMP DTP studio, working with cylinder scanners, DTP layout design with Quark and PageMaker, printing on imagesetter, and composite proof printing.

Education

1997 – 2002: Biology Major, on the Faculty of ELTE TTK in Budapest, Hungary

Language

- Hungarian (mother tongue)
- English (proficiency),
- Croatian (proficiency),
- Serbian (proficiency)