Kapuściński Tymoteusz

Designer/Architect

Worked in architecture and design since the age of sixteen, integrated and designed complex systems and APIs ranging from encryption through decentralized synchronization to search engines. Founded 4 startups. Occupied many roles including, CEO, CTO, Architect, Instructor, Designer, Developer and Administrator.

Personal info

Page
TimCabbage.com

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+48 606-601-208

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tk@gensys.pl

LinkedIn
linkedin.com/in/TymKap

Core skills and experience

Designed complex large-scale real-time systems

Findch.com (search engine)
Angelgate.ch (clustering system)

Rapid analysis and solution synthesis

In 12h I learned AS3 and embedded an Adobe Flash project into an AIR application for task automation

Worked with a broad spectrum of technologies and languages

C#, Java, SQL, LUA, C, Delphi, Javascript, SOLR, React, Angular, Phaser, Unity3D, Postfix, Node

Adept public speaker and Instructor

Worked as an instructor for multiple teams, presented React on Women In Tech 2018 conference in Kraków

Personal traits

Creative
Attentive to detail
Good teacher and student
Motivated
Very good language skills

Languages

Polish	**Native**
English	**Excellent**
German	**Basic**
Japanese	**Basic**

Proficiencies

Large scale architecture

Team leader

Instructor

Rapid technology absorption

Broad technology spectrum

Proficient in many languages

Notable work

Sabre Polska Sp. z o.o. Kraków (2017-2018) Team Lead / Architect

In the architecture team, our task was to do pre-production on various projects, analyzing systems, setting up frameworks, API systems, interactions, and coming up with solutions to problems.
A single person from my team would be assigned to a particular project where for the next 3-4 months we would make sure they're able to finish the project. We would perform training sessions (usually teach people with exclusively Java experience to become adept at writing frontend applications and integrate into the ecosystem as well as how to design backend properly).
Before employment at Sabre I did not know React. Mastered it in 3 weeks.

- Teacher
- Architect

Angelgate.ch (2015-2016) Founder, Developer, Designer

A place for business angels to meet, discuss and present new investment opportunities as well as co-invest and schedule their meetings.

- Startup founder
- Design, implementation of one-page Angular.JS UI.
- Design, implementation of LAMP based backend.
- Data-room with GIT based local client for file synchronization.
- TAN code generation and validation.

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Other interests

Machine learning
 - Neural networks
 - Node grouping
 - Bayes

GPU processing
 - OpenCL
 - Cuda

Psychology
 - Behavioral psychology
 - Evolutionary biology

Games
 - Computer game making
 - Pen and Paper RPGs
 - Board games

Notable work

Internal MTA management system (2015-2016) Developer/Designer

PHP based system for creation of mail users, virtual mailboxes in multiple domains, configuration of self-learning spam filter and auxiliary features.
- Design, implementation of LAMP stack based backend.
- Configuration and setup of Postfix, Dovecot, MySQL, ClamAV, SpamAssassin and RoundCube for proper mail validation and spam filtering
- Bash scripts to monitor and notify the administrator about possible issues.

Findch.com (2012-2014) [defunct] Founder, Developer, Designer

Product aggregation and search engine designed to contain up to 350M items and scale horizontally.
- Startup founder.
- Design, prototyping and final implementation of distributed image caching system
- Setup, management and document structure design of multiple distributed SOLR instances
- Translation of business requirements to technology choice and feature implementation.
- Frontend implementation: One-page JS+CSS+HTML5+AJAX responsive UI with endless scroll.
- Design and implementation of backend UI for sorting and page management.
- Debug of all system elements including 4 different Java applications, 2 frontend (HTML+JS) and one PHP application.
- Design of SQL databases. Optimization of MySQL on Linux performance under heavy load.

Speechwell.com (2015-2016) Developer

Online platform for e-learning.
 - Backend implementation.
 - Frontend implementation.
 - Paypal and bank wire system integration

GMMS (Gensys.pl) (2008-present) Founder, VP, Developer, Designer

General Maintenance Management System. Handles node-based maintenance support as well as invoicing, trading and inventory systems.
 - Design and implementation of transaction engine
 - Business object model
 - Visual components for data tables and nested objects
 - Binary object serialization system
 - Encryption systems