# Jan Elznic
*Fullstack software engineer*

## Contact

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## ElzaSoft Software Development s.r.o.
Prague, Czech Republic

*Fulltime employee*
**current position**

### Principal Software Engineer & Solution Architect
**12/2019–present**

- Architecture design of web services
- Development of frontend (Angular, React) & backend (Node.js, PHP)
- DevOps, CI/CD, automatization & Linux servers administration
- Assist in recruiting, onboarding and training IT specialists
- Leadership and mentoring to team members
- Monitor KPIs to assess technological performance
- Creating roadmaps, project & task management in SCRUM process

## Freelance Software Fullstack Engineer & Independent Consultant

- Short-term projects - time limited contracts — **02/2015–01/2020**
- Mostly team collaboration projects
- Design software architecture & development
- IT consulting, DevOps and Linux servers administration
- Team leadership on projects and mentoring

### Fordist Robotics - **Fullstack Software Engineer** — 06/2019–01/2020
- Fullstack development of WMS (Warehouse Management System)
- Architecture design for automated warehouse section with robots
- Backend: REST/WS in Node.js (Express, TypeScript), PostgreSQL, MongoDB
- Frontend: Angular 8, Google Material Design, Twitter Bootstrap
- Unit tests in Jasmine, Integration tests with simulators and mockups
- Microservice architecture as Node packages in Docker containers
- DevOps support, CI/CD, automated deployment, Linux administration

### RedHat - **React Developer (CZ/US)** — 01/2019–03/2019
- FE development of CVE system within the RedHat Insights team
- Designing layouts in Patternfly according to InVision wireframes
- React+Redux (ECMAScript 2017), unit tests in Jest, based on REST

### Meantime... **(various projects for more clients)** — 07/2018–12/2019
- casino80.com, kurzovesazeni.com, ubytovani-pralinka.cz, department.cz...
- Development of web CMS based on Node.js, NestJS, REST, React+Redux

### archTIS - **Angular Developer (Australia)** — 12/2017–06/2018
- Kojensi - Government Secure Content & Collaboration Cloud Service
- Angular 4/5/6 with TypeScript, Webpack, REST APIs, DevOps, SCRUM

### Maternity leave — 06/2017–11/2017

### CEMEX/Neoris - **Angular & React Developer** — 02/2017–05/2017
- Development FE SPA track & trace and distribution concrete & ready mix
- Angular 2, React + Redux, TypeScript, REST, unit tests in Jest, Karma

### Trusteca SE - **Canvas/WebGL JavaScript Developer** — 09/2016–02/2017
- Development of HTML5 multiplatform web/mobile games in Cocos2D-JS
- Casino games: Blackjack, Roulette, Slots (platforms Web/Android/iOS)

### DATASYS s.r.o. - **IONIC 2 & Angular 2 Developer** — 06/2016–08/2016
- Design and development of multiplatform web/mobile app
- Using Angular 2 + TypeScript, REST (target platforms: Web, Android, iOS)

### O2 Czech Republic - **Liferay Portal Consultant** — 03/2016–05/2016
- Development of web frontend components for web customer portal

### MSD - **Angular JS 1.x & Node.js Fullstack Developer** — 10/2015–03/2016
- Design architecture and development of internal corporate service
- Node.js/Express, REST, AngularJS 1.x, Twitter Bootstrap, D3.js, Neo4j DB

### GETMORE s.r.o. - **WordPress CMS Solution** — 09/2015–10/2015

### Etnetera a.s. - **Liferay Portal Consultant** — 07/2015–08/2015

### Slovak Telekom a.s. - **Liferay Portal Consultant** — 03/2015–05/2015

**2020**
**2019**
**2018**
**2017**
**2016**
**2015**

## About me

Marital status: **Single**
Date of birth: **15. 9. 1987 (31 years old)**
Location: **Prague, Czech Republic, European Union**
Driving license: **B**

I am mainly JavaScript Developer (be friendly with TypeScript or ES6+) focused on web frontend single page frameworks like Angular & React with overlap to backend Node.js, IONIC/Cordova/React Native multiplatform progressive apps & HTML5 games in Canvas/WebGL, DevOps, automatization, Linux server administration and scalable applications architecture.

Throughout my career I have acquired a thorough fullstack knowledge of designing and implementing scalable web applications as microservices, designing server architecture and maintaining Linux servers, including REST and realtime websocket communication, APIs, cross-browser features support, security issues, OO programming, architecture patterns, automatization, CI/CD and DevOps solutions. On mostly projects I have experience with working in agile teams within SCRUM.

## Experience

- 13 years as a professional in web-dev
- 10 years frontend JS single-page apps
- 7 years in international environment
- 5 years as teamlead

## Languages

| | |
|---|---|
| **English:** | Professional working profiency |
| **German:** | Limited working profiency |
| **Czech:** | Native |
| **Slovak**: | Professional working profiency |

## Professional skills

### JavaScript
- **Angular** (JS 1.x/<=11)
- **React**, Hooks, Redux
- Patternfly, Radium, Formik
- **Node.js** - Express, NestJS
- REST/GraphQL, Websockets
- axios, fetch, AJAX, JSON/XML
- **TypeScript** (<=4), ECMAScript (<=11)
- ESLint (ex-TSLint), Prettier
- Babel/SWC, Polyfills, Webpack
- OOP, async/await, promises
- Vanilla JS, D3.js, jQuery
- Progressive cross-platform apps for Web/Android/iOS
- IONIC/Cordova, React Native
- Unit & e2e test libs: Jest, Karma/Mocha, Jasmine, cypress
- Canvas/WebGL, animations
- HTML5 games in Cocos2D-JS

### HTML(5), CSS(3)
- Responsive desgin
- Twitter Bootstrap (<=4)
- Google Material Design
- LESS, SASS, Stylus
- BEM, OOCSS
- Mustache, Handlebars, Nunjucks, Smarty, JSX, Jade, XSLT, Underscore

### Databases
- MySQL/MariaDB, PostgreSQL+ORM
- MongoDB, CouchDB, Neo4j
- Firebase/Firestore, Memcached
- ArangoDB, Elasticsearch

### Git/SVN

### Other
- SEO & marketing
- SCRUM/kanban, iterative/waterfall
- Liferay portal, Wordpress, Opencart
- Markdown, YAML, RAML, cURL, WADL
- Python, Java, C/C++ (beginner)

### DevOps, Automatization, NetWorks
- Shell, bash scripting
- Linux administration (Debian/Fedora)
- (*.deb)ian package management
- Apache2, Nginx, PM2, JBoss, Tomcat
- TCP/IP, HTTP/2 (SPDY), HTTP/3 (QUIC)
- DNS, (Open)VPN, PPP(TP)
- Docker (+ Compose) + Kubernetes
- VirtualBox, VMware
- TDD/BDD, CI/CD, integration tests

### Security
- HTTPS/HSTS, SSL/TLS, Let's Encrypt
- XSS, CORS, CSRF, SQL injection

### Architectural patterns
- OOP, MV(C/P), MVVM, ... + UML diagrams
- Microservices, DTo/Bo, REST/SOAP/WS

### Accessibility
- WAI ARIA, NVDA/Jaws screen readers
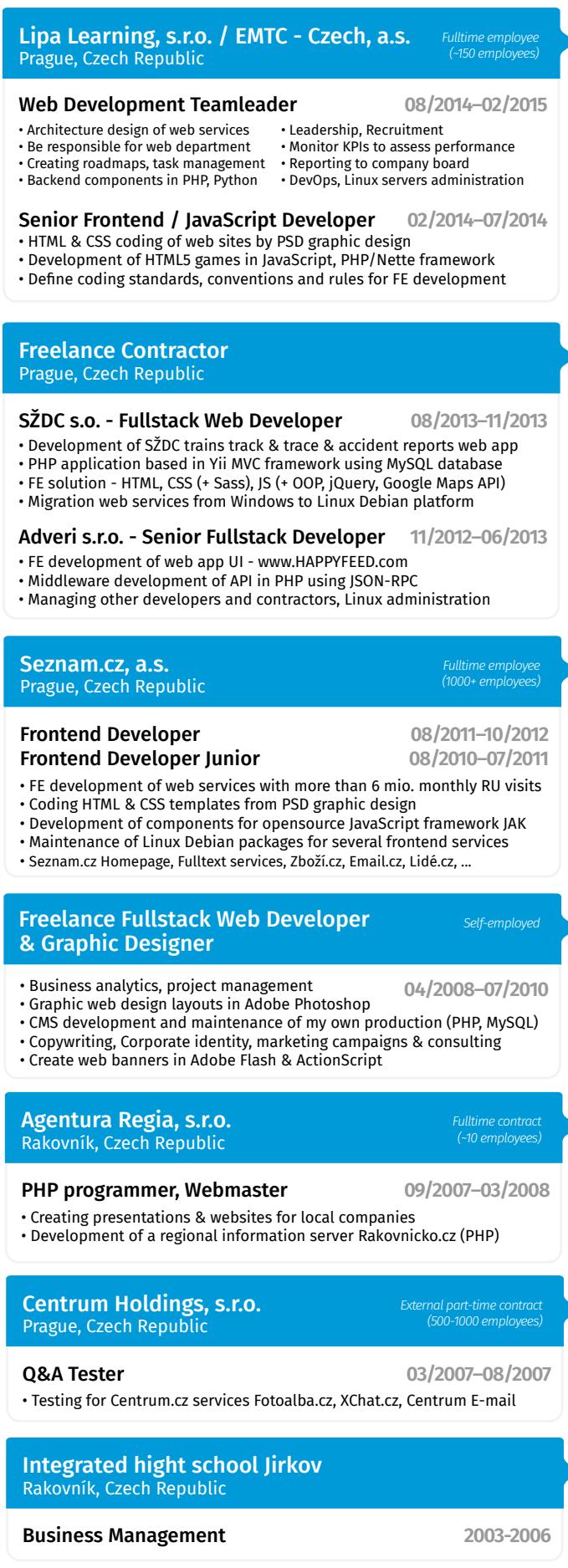
### PHP (4 / 5.6 / 7.x)
- OOP, MVC frameworks
- nette, Yii, Laravel, Symfony
- phpMyAdmin, Adminer

### Graphics, UX
- Adobe Photoshop, Illustrator
- Adobe Flash (+ ActionScript)
- CorelDRAW, Inkscape, SVG
- User eXperience, testing
- Typography, Apple/Google guidelines

### Tools
- OpenAPI, Swagger, apiary.io, Postman
- JIRA, Trello, Asana, GitLab, Github, Trac, Redmine, MS Project, Bitbucket
- Grunt, Gulp, Webpack
- Deno, NPM, Yarn, Bower, Maven, apt/dnf
- GNU Make, Google Closure tools
- Jenkins, Semantic release, Atlassian
- Slack, MS Teams
- Windows, Linux, macOS

## Lipa Learning, s.r.o. / EMTC - Czech, a.s.
Prague, Czech Republic
*Fulltime employee (~150 employees)*

### Web Development Teamleader — 08/2014–02/2015
- Architecture design of web services
- Be responsible for web department
- Creating roadmaps, task management
- Backend components in PHP, Python
- Leadership, Recruitment
- Monitor KPIs to assess performance
- Reporting to company board
- DevOps, Linux servers administration

### Senior Frontend / JavaScript Developer — 02/2014–07/2014
- HTML & CSS coding of web sites by PSD graphic design
- Development of HTML5 games in JavaScript, PHP/Nette framework
- Define coding standards, conventions and rules for FE development

**2015**
**2014**

## Freelance Contractor
Prague, Czech Republic

### SŽDC s.o. - Fullstack Web Developer — 08/2013–11/2013
- Development of SŽDC trains track & trace & accident reports web app
- PHP application based in Yii MVC framework using MySQL database
- FE solution – HTML, CSS (+ Sass), JS (+ OOP, jQuery, Google Maps API)
- Migration web services from Windows to Linux Debian platform

### Adveri s.r.o. - Senior Fullstack Developer — 11/2012–06/2013
- FE development of web app UI - www.HAPPYFEED.com
- Middleware development of API in PHP using JSON-RPC
- Managing other developers and contractors, Linux administration

**2013**

## Seznam.cz, a.s.
Prague, Czech Republic
*Fulltime employee (1000+ employees)*

### Frontend Developer — 08/2011–10/2012
### Frontend Developer Junior — 08/2010–07/2011
- FE development of web services with more than 6 mio. monthly RU visits
- Coding HTML & CSS templates from PSD graphic design
- Development of components for opensource JavaScript framework JAK
- Maintenance of Linux Debian packages for several frontend services
- Seznam.cz Homepage, Fulltext services, Zboží.cz, Email.cz, Lidé.cz, ...

**2012**
**2011**

## Freelance Fullstack Web Developer & Graphic Designer
*Self-employed*

- Business analytics, project management — 04/2008–07/2010
- Graphic web design layouts in Adobe Photoshop
- CMS development and maintenance of my own production (PHP, MySQL)
- Copywriting, Corporate identity, marketing campaigns & consulting
- Create web banners in Adobe Flash & ActionScript

**2010**
**2009**

## Agentura Regia, s.r.o.
Rakovník, Czech Republic
*Fulltime contract (~10 employees)*

### PHP programmer, Webmaster — 09/2007–03/2008
- Creating presentations & websites for local companies
- Development of a regional information server Rakovnicko.cz (PHP)

**2008**

## Centrum Holdings, s.r.o.
Prague, Czech Republic
*External part-time contract (500-1000 employees)*

### Q&A Tester — 03/2007–08/2007
- Testing for Centrum.cz services Fotoalba.cz, XChat.cz, Centrum E-mail

**2007**

## Integrated hight school Jirkov
Rakovník, Czech Republic

### Business Management — 2003-2006

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## Personal / soft skills
- Adaptability and flexibility
- Effective communication
- Interpersonal abilities
- Teamwork player
- Humility & esteem to the others
- Ability to accept critics & self-reflection
- Collecting feedback
- Always open-minded
- Ability to adapt and accept changes
- Inventive and added value
- Organised and prioritised schedule
- Planning and organizing
- Leadership and management
- Assertive approach /
- Discovery and orientation in informations communication

> *Always listen to experts.*
> *They'll tell you what can't be done and why.*
> *Then do it.*
> *(Robert A. Heinlein)*

## Courses, trainings and workshops
- SEO (2 days, Marek Prokop)
- CSS3 and responsive design (Martin Michálek, Vzhůrudolů.cz)
- AngularJS (Robin Pokorný, Vzhůrudolů.cz)
- Course presentation skills (3 days, Seznam.cz)
- Assertiveness training (Seznam.cz)
- Mapy.cz API (Ondřej Žára, Seznam.cz)
- Distributed version systems and Git (Ondřej Žára)
- AJAX (Ondřej Žára, Seznam.cz)
- JS performance optimization (Seznam.cz)
- jQuery workshop (WebExpo)
- WAI ARIA accessibility workshop (Internet Info)

## Favourite RSS sources and sites
- Google Developers Web updates
  - developers.google.com/web/updates/
- Mozilla Hacks Site - Developers blog - hacks.mozilla.org
- web.dev - web.dev • Can i use…? - caniuse.com
- Let's Encrypt Blog - letsencrypt.org/blog/
- Microsoft TypeScript blog
  https://devblogs.microsoft.com/typescript/
- 2ality - JavaScript and more - 2ality.com
- Smashing Magazine - smashingmagazine.com
- SitePoint (former JSPro.com) - sitepoint.com
- Little Big details (UX site) - littlebigdetails.com
- Mozilla MDN web docs - developer.mozilla.org
- Vzhůru dolů Martina Michálka - vzhurudolu.cz • Je čas - jecas.cz
- Zdroják.cz - zdrojak.cz • Root.cz - root.cz • Lupa.cz - Lupa.cz •
- BlindFriendly - blindfriendly.cz • POmoc SLEPým - poslepu.cz
- Deep in IT - diit.cz • CDR.cz - cdr.cz • Živě.cz - zive.cz
- CzechCrunch - czechcrunch.cz • Forbes - forbes.cz

## Groups and meet-ups
- Frontendisti.cz / Backendisti.cz (Fb groups, YT channel)
- Reactive Meetups Prague - meetup.com/ReactiveMeetupsPrague/
- Google User Group - gug.cz
- Spolek pro zachování odkazu českého odboje - spolekodboje.cz

## Maintained projects
- „Statistika nuda je, má však cenné údaje" Facebook page
  - https://www.facebook.com/statistikabeznudy/
- SimplyJS (*ES5 JavaScript lib providing DOM manipulating and JS events*)
  - https://github.com/janelznic/simplyjs

## Hobbies and interests
- History & Theology
- Politics & World events
- Cryptocurrencies & Old hardware (x86)
- Environment, Ecology
- Travel & Tourism
- Spirituality, Music, Culture & Festivals
- Horse riding, Skiing, Cycling, Swimming, Golf
- Reading - biographical & motivational books and 100+1 magazine
- Movies, PC games, couching with TV documents and Netflix :)

I ❤ Linux and OpenSource.