



Jan Elznic

Fullstack software engineer

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 from scratch
- Development of frontend (Angular, React) & backend (Node.js, PHP)
- DevOps, CI/CD, automatization, Cloud & Linux servers administration
- Assist in recruiting, onboarding and training IT specialists
- Leadership and mentoring to team members
- Monitor KPIs to assess technological performance
- Designing development processes for projects and Q&A supervision
- Creating roadmaps, project & task management in SCRUM process

Freelance Software Fullstack Engineer & Independent Consultant

- Short-term projects - time limited contracts
- Mostly team collaboration projects
- Design software architecture & development
- IT consulting, DevOps and Linux servers administration
- Team leadership on projects and mentoring

02/2015–01/2020

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

Contact

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🐦 @janelznic
🌐 janelznic.cz/linkedin



About me

Marital status: Single

Date of birth: 15. 9. 1987

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

- 14 years as a professional in web-dev
- 10 years frontend JS single-page apps
- 8 years in international environment
- 6 years as teamlead

Languages

English: Professional working proficiency
German: Limited working proficiency
Czech: Native
Slovak: Professional working proficiency

Professional skills

JavaScript

- **Angular** (JS 1.x / <=13)
- **React** (<=17), Hooks, Redux
- Styled components, Patternfly, Radium
- Material UI, Formik, Storybook, Next.js
- **Node.js** - Express, NestJS
- REST/GraphQL, Websockets
- axios, fetch, AJAX, JSON/XML
- **TypeScript** (<=4.5), ECMAScript (<=12)
- 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 design
- Twitter Bootstrap (<=5)
- 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
- GitLab pipelines, GitHub Actions
- Cloud, CDN - Azure, AWS, Cloudflare

Security

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

Architectural patterns

- OOP, MVC(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, Figma
- 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, Android/iOS

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

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

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

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, ...

Freelance Fullstack Web Developer & Graphic Designer

Self-employed

- Business analytics, project management
- 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

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)

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

Integrated high school Jirkov Rakovník, Czech Republic

Business Management 2003–2006

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 - zdrojaky.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, Genealogy
- Geopolitics, political science & World events
- Cryptocurrencies & retro hardware (x86)
- Environment, Ecology
- Volunteer activity
- Travel & Tourism
- Spirituality, Music, Culture & Festivals
- Horse riding, Skiing, Cycling, Swimming, Golf
- Reading - biographical & motivational books and 100+1 magazine
- Movies, PC/mobile games, couching with TV documents and Netflix :)

I ❤️ Linux and OpenSource.