



Jan Elznic

Fullstack Software Engineer

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About me

Marital status: Single
 Date of birth: 15. 9. 1987
 Location: Prague / Rakovník, Czech Republic, European Union
 Driving license: B

My goal is to bring people high quality and usable applications with accent on safety, high performance and effectivity for **web, Android & iOS** platforms preferring **JavaScript, TypeScript and Go** + (No)SQL databases. I'm focused on frameworks **Angular** and **React** on web frontend and high-scalable applications on backend in **Node.js** and **Go** mostly based on **REST & GraphQL** APIs, HTTP/2 or websocket interface deployed in **cloud** platforms using usually **Docker** and **Kubernetes**.

In recent years, I have mainly been involved in the design of **application architecture from scratch**, including complex infrastructure with focus on **Microsoft Azure** and Linux servers like Debian & RHEL.

Teamwork is needed to build a successful app, so I recruit motivated and enthusiastic people where one supports the other. I also achieve this goals by establishing high effective development processes and project methodologies in agile environment and by define technology strategy implementing **CI/CD** best practices.

Experience

- 15 years in software development
- 9 years in international environment
- 7 years in mid/higher management

Languages

English: Proficiency **Czech:** Native
German: Elementary **Slovak:** Proficiency
Spanish: Elementary **Russian:** Beginner

Technical skills

JavaScript/TypeScript

- **Angular** (JS 1.x / <=13)
- **React** (<=17), Hooks, Redux
- Styled components, Patternfly, Radium
- Material UI, Formik, Storybook, Next.js
- **Vue** (<=3), Svelte
- **Node.js** - Express, NestJS
- REST/GraphQL, Websockets
- axios, fetch, AJAX, JSON/XML
- **TypeScript** (<=4.8), ECMAScript (<=13)
- 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, Redis

Go + Temporal.io, GORM, AuthBoss

Java + Spring Boot, Hibernate, Liferay

Git/SVN

Other

- SEO & online marketing, PPC
- Markdown, YAML, RAML, cURL, WADL
- Python, C/C++, bash

DevOps, Cloud, CI/CD

- **Microsoft Azure**, DevOps, Pipelines
- Docker (+ Compose)
- Kubernetes, AKS, Helm Charts, kubectl
- Scaling cloud resources, cost savings
- Shell, bash scripting
- Linux administration (Debian/RHEL)
- (*.deb)ian package management
- Apache2, Nginx, PM2, JBoss, Tomcat
- TCP/IP, HTTP/2 (SPDY), HTTP/3 (QUIC)
- DNS, (Open)VPN, PPP(TP)
- KVM, VirtualBox, VMware
- TDD/BDD, CI/CD, integration tests
- GitLab pipelines, GitHub Actions
- CDN, Cloudflare, AWS

Security

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

Architecture & Patterns

- OOP, MV(C/P), MVVM, ... + UML diagrams
- Microservices, DTO/Bo, REST/SOAP/WS
- RabbitMQ, Apache Kafka

Accessibility & WAI ARIA, NVDA/Jaws

PHP (4 / 5.6 / 7.x / 8.x)

- OOP, MVC frameworks
- nette, Yii, Laravel, Symfony
- WordPress, Opencart
- phpMyAdmin, Adminer

Graphics, UX

- Adobe Photoshop, Illustrator, Figma
- CorelDRAW, Inkscape, SVG
- UX design, testing, eyetracking, heatmaps
- Typography, Apple/Google guidelines

Tools

- OpenAPI, Swagger, apiary.io, Postman
- JIRA, Trello, Asana, GitLab, Trac, Redmine, MS Project, Bitbucket, Azure DevOps
- GNU Make, Grunt, Gulp, Webpack
- Deno, NPM, Yarn, Bower, Maven, apt/dnf
- Jenkins, Semantic release, ArgoCD
- Sentry, Kibana, KeyCloak

INU.APP a.s. (Creditas Group)

Prague, Czech Republic

Fulltime
 (~1000 employees)
 current position

Head of Software Development 02/2022–present

- Fintech company, subsidiary of Creditas Group
- Managing ~40 people in software development department
- Building independent teams and recruiting employees
- Establishing development processes and project methodologies in agile environment
- Designing software architecture and infrastructure of services
- Cooperation with other departments, allocation of resources
- Building technology and cloud strategy
- Responsibility for backend, frontend, QA, web, DevOps & Cloud
- Communication with external partners
- Stack: Go+Temporal, TypeScript, Node.js, PostgreSQL, React Native, Azure

ElzaSoft Software Development s.r.o.

Prague, Czech Republic

Fulltime employee
 (~20 employees)

Principal Software Engineer & Solution Architect 12/2019–01/2022

- 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 QA supervision
- Creating roadmaps, project & task management in SCRUM process

Some of our partners and clients: **APSAZ Consulting, Škoda Auto, Erste Group, Česká Společnost, Trask solutions, devcity, eMan, SnapStack**

Freelance business — Software Fullstack Engineer, Independent Consultant & Contractor

- Contract based services across four continents 02/2015–12/2019
- Team collaboration projects
- Experience with people from all over the world
- Startups, medium-sized companies and large corporates
- Employing additional ~10 people on entrusted projects
- Design software architecture & development
- IT consulting, DevOps, Cloud & servers administration
- Team leadership on projects and mentoring
- Stack: Angular, React, Node.js, TypeScript, Java, SQL databases, HTML/CSS

I had the honor to work with companies like **Alza.cz & RUR Robotics, RedHat, Merck (MSD), O2 Czech Republic, archTIS, Etnetera and others.**

Lipa Learning, s.r.o. / EMTC - Czech, a.s.

Prague, Czech Republic

Fulltime employee
 (~150 employees)

Web Development Techlead 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

Fullstack Software Engineer

08/2013–01/2014

Adveri s.r.o.

Prague, Czech Republic

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

- 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

PHP programmer, Webmaster

09/2007–03/2008

- Creating presentations & websites for local companies
- Development of a regional information server Rakovnícko.cz (PHP)

Centrum Holdings, s.r.o.

Prague, Czech Republic

External part-time contract
(500+ employees)

QA Tester

03/2007–08/2007

- Testing for Centrum.cz services Email.centrum.cz, Fotoalba.cz, XChat.cz

Integrated high school Jirkov

Rakovník, Czech Republic

Business Management

2003–2006

Hobbies and interests

- History, Theology, Genealogy
- Geopolitics, Political science & World events
- Cryptocurrencies & Retro hardware (x86)
- Environment, Ecology, Nature
- 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 :)

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, management and mentoring
- Assertive approach
- Discovery and orientation in informations communication

Other professional skills

- Building IT corporate strategy
- Business development
- Communication with external partners
- Marketing & Sales strategy
- Recruitment, Interviews, Establish onboarding processes
- Employee education programs and trainings, Motivational planning
- Management of complex projects and teams
- Agile, SCRUM, kanban, waterfall / iterative
- Research & Analysis
- Legislation (GDPR etc.)

“
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

- Microsoft Azure Workshop (8 days, Mainstream Technologies)
- SEO (2 days, Marek Prokop)
- CSS3 and responsive design (Martin Michálek, Vzhurudolů.cz)
- AngularJS (Robin Pokorný, Vzhurudolů.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
- Vzhuru 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>