



# Jan Elznic

## Fullstack Software Engineer

**INVESTBORN LIMITED**  
London (UK), Prague (CZ)

Fulltime employee  
(~200 employees)  
current position

### Interim Chief Technology Officer

12/2022–11/2023

- Company restructuring across the group and crisis management
- Cutting off non-monetized projects and reorganization to save costs
- Leading several technology teams in subsidiary companies worldwide
- Optimization development processes & project methodologies in agile environment
- Developing the corporate strategy for using technological resources
- Defining a unified technology architecture across the entire group
- Evaluating and implementing new systems and infrastructure
- Help other departments use technology profitably
- Ensuring that product architecture supports the priorities of the business
- Use stakeholders feedback to improvements and adjustments to technology
- Monitoring analytics and making recommendations that align with business goals
- Communicate technology strategy to partners and investors
- Management, motivation, evaluation & performance control of subordinate teams
- Stack: Angular, React, Node.js, Java, Spring Boot, Python, Azure, Docker, Kubernetes

**INU.COM a.s. (Creditas Group)**  
Prague (CZ)

Fulltime  
(~1000 employees)

### Head of Software Development

02/2022–11/2022

- Fintech company focused on investments, 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
- Communication with external partners
- Stack: Go+Temporal, TypeScript, Node.js, PostgreSQL, React Native, Azure

**ElzaSoft Software Development s.r.o.**  
Prague (CZ)

Fulltime employee  
(~20 employees)

### Principal Software Engineer & Solution Architect

12/2019–01/2022

- Architecture design of web services from scratch
- Development of frontend & backend REST/GraphQL services
- DevOps, CI/CD, automatization, Cloud & Linux servers administration
- Assist in recruiting, onboarding and training IT specialists
- Leadership of ~25 people within 3 teams and mentoring them
- Monitor KPIs to assess technological performance
- Designing development processes for projects and Q&A supervision
- Creating roadmaps, project & task management in SCRUM process
- Stack: Angular, React, Next.js, Node, PHP, Python, Java, SQL, Docker, Kubernetes

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

### Freelance business — Software Fullstack Engineer, Independent Consultant & Contractor

- Contract based services across four continents
- 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
- Devstack: Angular, React, Node.js, TypeScript, Java, PHP, Python, SQL

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

## Contact

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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

- 16 years in software development
- 10 years in international environment
- 8 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 / <=15)
- **React** (<=18.2.x), Hooks, Redux
- Styled components, Patternfly, Radium
- Material UI, Formik, Storybook
- Next.js for server-side rendering
- Vue (<=3), Svelte
- **Node.js** - Express, NestJS
- TypeORM, Sequelize
- **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

### HTML(5), CSS(3)

- Responsive design
- Twitter Bootstrap (<=5)
- Google Material Design, Tailwind
- LESS, SASS, Stylus
- BEM, OOCSS
- Mustache, Handlebars, Nunjucks, Teng, Smarty, JSX, Jade, XSLT, Underscore etc.

### Databases

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

**Java**, Spring Boot, Hibernate, Liferay

**Python**, pip, Flask, Django

**Go**, Temporal.io, GORM, AuthBoss

**C/C++**, gcc

**Markdown, YAML, RAML, WADL**

**Git/SVN**

**SEO & Online marketing, PPC**

### DevOps, Cloud, CI/CD

- **Microsoft Azure**, Serverless Functions
- Azure DevOps, Pipelines
- Docker (+ Compose)
- Kubernetes, AKS, Helm Charts, kubectl
- Scaling cloud resources, cost savings
- Shell, bash/PowerShell (<=7) 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, WSL(<=2)
- TDD/BDD, CI/CD, integration tests
- Jenkins, GitLab-CI, GitHub Actions, ArgoCD
- CDN, Cloudflare, AWS
- Sentry, Kibana, KeyCloak
- GNU/Make, npm, Yarn, Maven, pip, apt/dnf

### Security

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

### Architecture, Interfaces

- OOP, MV(C/P), MVVM, HOF, FDD/TDD
- Enterprise Architect, UML diagrams
- REST & GraphQL API, Websockets
- Microservices, DTO/Bo, use-cases, flows
- JSON/XML, OpenAPI, Apollo
- Swagger, Apollo GraphQL, Postman
- Message brokers: RabbitMQ, Kafka

### Accessibility & WAI ARIA, NVDA/Jaws

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

- nette, Yii, Laravel, Symfony, WordPress
- phpMyAdmin, Adminer, Composer

### Graphics, UX

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

### AI tools

- GitHub Copilot, ChatGPT
- Midjourney, DALL-E

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

### 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 Fullstack Engineer 08/2013–01/2014 Prague (CZ)

### Adveri s.r.o. Prague (CZ)

### Senior Fullstack Developer 11/2012–06/2013

- FE development of web app UI - [www.HAPPYFEED.com](http://www.HAPPYFEED.com)
- Middleware development of API in PHP using JSON-RPC
- Managing other developers and contractors, Linux administration

### Seznam.cz, a.s. Prague (CZ)

### 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

### 04/2008–07/2010

- 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 (CZ)

### 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. External part-time contract (500-1000 employees) Prague (CZ)

### QA Tester 03/2007–08/2007

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

### Integrated high school Jirkov Rakovník (CZ)

### 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, 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.)

## Courses, trainings and workshops

- Microsoft Azure Workshop (8 days, Mainstream Technologies)
- SEO (2 days, Marek Prokop)
- CSS3 and responsive design (Martin Michálek, Vzhurdolů.cz)
- AngularJS (Robin Pokorný, Vzhurdolů.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/](https://developers.google.com/web/updates/)
- Mozilla Hacks Site - Developers blog - [hacks.mozilla.org](https://hacks.mozilla.org/)
- web.dev - [web.dev](https://web.dev/) • Can i use...? - [caniuse.com](https://caniuse.com/)
- Let's Encrypt Blog - [letsencrypt.org/blog/](https://letsencrypt.org/blog/)
- Microsoft TypeScript blog
  - <https://devblogs.microsoft.com/typescript/>
- 2ality - JavaScript and more - [2ality.com](https://2ality.com/)
- Smashing Magazine - [smashingmagazine.com](https://smashingmagazine.com/)
- SitePoint (former JSPro.com) - [sitepoint.com](https://sitepoint.com/)
- Little Big details (UX site) - [littlebigdetails.com](https://littlebigdetails.com/)
- Mozilla MDN web docs - [developer.mozilla.org](https://developer.mozilla.org)
- Vzhůru dolů Martina Michálka - [vzhurdolu.cz](https://vzhurdolu.cz) • Je čas - [jecas.cz](https://jecas.cz)
- Zdroják.cz - [zdrojak.cz](https://zdrojak.cz) • Root.cz - [root.cz](https://root.cz) • Lupa.cz - [lupa.cz](https://lupa.cz) •
- BlindFriendly - [blindfriendly.cz](https://blindfriendly.cz) • Pomoc SLEPým - [poslepu.cz](https://poslepu.cz)
- Deep in IT - [diit.cz](https://diit.cz) • CDR.cz - [cdr.cz](https://cdr.cz) • Živě.cz - [zive.cz](https://zive.cz)
- CzechCrunch - [czechcrunch.cz](https://czechcrunch.cz) • Forbes - [forbes.cz](https://forbes.cz)

## Groups and meet-ups

- Frontendisti.cz / Backendisti.cz (Fb groups, YT channel)
- Reactive Meetups Prague - [meetup.com/ReactiveMeetupsPrague/](https://meetup.com/ReactiveMeetupsPrague/)
- Google User Group - [gug.cz](https://gug.cz)
- Spolek pro zachování odkazu českého odboje - [spolekodboje.cz](https://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, 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