



# Jan Elznic

Fullstack Software Engineer

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

Fulltime employee  
(~200 employees)  
current position

## Associate Director - Solutions Architecture 12/2023–present

- Advising to company management in technological strategy
- Validate alignment of business goals and strategies with technology
- Design of architecture and implementation of solution from scratch
- Daily cooperation with engineers and technology implementation
- Collaboration between multiple teams and platforms across the projects
- Set up development & technology standards along with other engineers
- Nearshore development for clients in telecommunications, customer care & WMS

## 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
- Building new teams for emerging projects and subsidiaries, hiring specialists
- Companies & projects pre-check analysis, due-diligence and acquisitions
- Optimization development processes & project methodologies in agile environment
- Defining a unified technology architecture and infrastructure across the group
- 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, evaluation and performance control of subordinate teams
- Angular, React, Node.js, Java, Spring Boot, Python, Azure, AWS, Docker, Kubernetes

**MaxInvest a.s. (Creditas Group)**  
Prague (cz)

Fulltime  
(~1000 employees)

## Head of Software Engineering 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 technology specialists
- 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, Web, QA, DevOps, Infrastructure
- 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 12/2019–01/2022

- Solution Architecture design of web services from scratch
- Development of frontend & backend REST/GraphQL services
- 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 QA supervision
- Creating roadmaps, project & task management in agile process
- Angular, React, Next.js, Node, NestJS, PHP, Python, Java, SQL, Docker, Kubernetes
- Azure, AWS & GCP Cloud, Linux servers, DevOps, CI/CD

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

## 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 <=18)
- **React** (<=18), Hooks
- Redux, MobX, React Query
- Styled components, Patternfly, Radium
- Material UI, Storybook
- Formik, React Hook Form
- **Next.js** for server-side rendering
- Vue (<=3), Svelte
- **Node.js** - Express, NestJS, AdonisJS
- TypeORM, Sequelize, Prisma
- **TypeScript** (<=4.8.x), ECMAScript (<=14)
- ESLint (ex-TSLint), Prettier
- Babel/SWC, Polyfills, Webpack,
- OOP, async/await, promises
- Vanilla JS, D3.js, Lodash, jQuery
- Progressive cross-platform apps for Web/Android/iOS
- IONIC, Cordova, **React Native**
- Unit & e2e test libs: Jest, Karma/Mocha, Jasmine, cypress
- WebRTC, MediaDevices, Janus
- Canvas/WebGL, Animations

### DevOps, Cloud, CI/CD

- **Microsoft Azure, AWS, GCP**
- Azure DevOps, Pipelines
- Linux servers (Debian/RHEL)
- (\*.deb)jan package management
- Docker (+ Compose)
- Kubernetes, AKS, kubectl, Helm Charts
- Scaling cloud resources, Cost savings
- Shell, bash/PowerShell (<=7) scripting
- Apache2, Nginx, PM2, JBoss, Tomcat
- TCP/IP, HTTP/2 (SPDY, HTTP/3 (QUIC))
- DNS, (Open)VPN/PPP(TP), CDN/Cloudflare
- KVM, VirtualBox, VMware, WSL(<=2)
- TDD/BDD, CI/CD, integration tests
- GitLab-Cl, GitHub Actions, Jenkins, Argocd
- Sentry, Prometheus, Grafana, 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 3.0
- Swagger, Apollo GraphQL, Postman
- Message brokers: RabbitMQ, Kafka

### Accessibility & WAI ARIA, NVDA/Jaws

### PHP (4 / 5.6 / 7.4 / 8.x)

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

### Graphics, UX

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

### AI & Generative tools

- Prompt Engineering
- GitHub Copilot, ChatGPT, Gemini
- Midjourney, DALL-E

### SEO & Online Marketing, PPC

## **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 (Enterprise)
- Employing additional ~10 people on entrusted projects
- Design solution architecture, development and deployment
- IT consulting, DevOps, Cloud (Azure, AWS, GCP), Servers administration
- Team leadership on projects and mentoring
- Stack: Angular, React, Node.js, NestJS, TypeScript, Java, PHP, Python, SQL

02/2015–12/2019

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 (CZ)**

Fulltime employee  
(~150 employees)

### **Web Development Techlead**

- Architecture design of web services
- Be responsible for web department
- Creating roadmaps, task management
- Backend components in PHP, Python

08/2014–02/2015

- Leadership, Recruitment
- Monitor KPIs to assess performance
- Reporting to company board
- DevOps, Linux servers administration

### **Senior 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**

11/2012–12/2013

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

Fulltime employee  
(1000+ employees)

### **Senior Frontend Developer**

#### **Frontend Developer**

08/2011–10/2012

08/2010–07/2011

- Web services with impact to more than 6+ millions monthly real visitors
- Development of opensource JavaScript framework JAK
- HTML, CSS, JavaScript, PSD, Angular.js, Linux Debian package management
- Seznam.cz Homepage, Email.cz, Fulltext, Zboží.cz, Lidé.cz, Novinky.cz, ...

## **Freelance Fullstack Web Developer & Graphic Designer**

04/2008–07/2010

- Business analysis, project management
- Graphic web design layouts in Adobe Photoshop
- Copywriting, Corporate identity, Marketing campaigns & Consulting
- HTML, CSS, JavaScript, PHP, MySQL, CMS, Adobe Flash & ActionScript

## **Agentura Regia, s.r.o. Rakovník (CZ)**

Fulltime contract  
(~10 employees)

### **Junior Web Developer**

09/2007–03/2008

## **Centrum Holdings, s.r.o. Prague (CZ)**

External part-time contract  
(500-1000 employees)

### **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, Vzhůru dolů.cz)
- AngularJS (Robin Pokorný, Vzhůru dolů.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 SLEPyM - 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/simplejs

## **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