



Jan Elznic

Fullstack Software Engineer

INVESTBORN LIMITED
London (UK), Prague (CZ)

Fulltime employee
(~200 employees)

Associate Director - Solutions Architecture 12/2023–09/2025

- Coding and programming on daily basis, code reviews, teamwork with developers
- 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
- Angular, React, Vue.js, Node.js, Java, Spring Boot, Python, Azure, AWS, Kubernetes

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

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: Node.js, TypeScript, Go+Temporal, 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, Vue.js, Next.js, Node, NestJS, PHP, Python, Java, SQL
- Azure, AWS & GCP Cloud, Linux servers, DevOps, CI/CD, Docker, Kubernetes

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

I deliver secure and efficient applications for web, Android, and iOS, focusing on **JavaScript**, **TypeScript**, and (No)SQL databases. My frontend expertise covers **Angular**, **React**, and **Vue**. On the backend I build scalable systems in **Node.js**, **PHP**, **Python**, Java, and Go using **REST/GraphQL** APIs, **HTTP/2**, or **WebSockets**. I deploy to cloud platforms with **Docker** and **Kubernetes**. In my free time I explore chatbots and AI as a strong personal passion a contribute to the community.

I design application architectures from scratch, including cloud infrastructures on **Microsoft Azure**, **AWS**, and **Linux (Debian, RHEL)**. I build motivated teams, set up effective processes, drive agile delivery, and implement **CI/CD** best practices for performance and scalability.

Experience

- 20 years in software development
- 15 years in international environment
- 12 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 / <=20)
- **React** (<=19), Hooks
- Redux, Zustand, TanStack Query
- Styled components, Patternfly, Radium
- Storybook, Pattern Lab
- Formik, React Hook Form
- **Next.js** for Server-Side Rendering
- **Vue.js** (<=3), Svelte
- **Node.js** - Express, **NestJS**, AdonisJS
- npm, pnpm, yarn, bun, npx
- TypeORM, Prisma, Sequelize
- **TypeScript** (<=5.9.x), ECMAScript (<=16)
- ESLint, Rome, Biome, Prettier
- Babel, SWC, esbuild, Vite/Webpack
- async/await, promises, observables
- 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

HTML(5), CSS(3)

- Responsive design (mobile first)
- Twitter Bootstrap (<=5)
- Google Material UI, Tailwind
- Sass/scss, LESS, Stylus
- BEM, OOCSS
- Smarty, JSX/TSX, Jade, XSLT etc.

Databases

- MySQL/MariaDB, PostgreSQL+ORM
- MongoDB, CouchDB, Neo4j
- Firebase/Firestore, Memcached
- Redis/Valkey, ArangoDB
- pgvector, Qdrant
- Elasticsearch, Kibana (ELK stack)

Java (<=21)

- Spring Boot, Hibernate, Liferay
- MapStruct, JUnit 5, Mockito
- Maven, Lombok

Python

- FastAPI, Flask, Django, pip/Poetry
- pytest, SQLAlchemy ORM

PHP (4.x, 5.6, 7.4, 8.4)

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

DevOps, Cloud, CI/CD

- **Microsoft Azure**, **AWS**, **GCP**
- Azure DevOps, Pipelines
- Linux servers (Debian/RHEL)
- (*.deb)ian package management
- Docker (+ Compose)
- Kubernetes, AKS, kubectl, Helm Charts
- Shell, bash/PowerShell scripting
- KVM, VirtualBox, VMware, WSL(<=2)
- Apache2, Nginx, PM2, JBoss, Tomcat
- TCP/IP, HTTP/2 (SPDY), HTTP/3 (QUIC)
- DNS, (Open)VPN/PPP(TP), CDN/Cloudflare
- TDD/BDD, CI/CD, integration tests
- GitLab-CI, GitHub Actions, Jenkins, ArgoCD
- Sentry, Prometheus, Grafana, Keycloak
- GNU/Make, apt/dnf

AI, LLM

- System prompts, few-shot, CoT
- LLM, Chatbots (Slack, Discord, XChat.cz)
- Anthropic, OpenAI, Mistral, Cohere
- Ollama, pgvector, Qdrant
- LlamaIndex.js, LangChain.js, Vercel AI
- RAG pipelines: Embeddings, chunk, retrievers, citations
- OCR - easyocr, Azure Vision
- GitHub Copilot, ChatGPT, Claude, Gemini
- Midjourney, DALL-E

Security

- HTTPS/HSTS, SSL/TLS, Let's Encrypt
- XSS, CORS, CSRF, SQL injection, DoS
- JWT, OAuth2, Passport.js
- Encryption, Penetration tests

Architecture, Interfaces

- OOP, MV(C/P), MVC/M, 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
- RabbitMQ, Kafka

Go, Temporal.io, C/C++, gcc

Markdown, YAML, RAML, WADL
Git/SVN, GitLab, GitHub, Bitbucket

Graphics, UX

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

Accessibility & WAI ARIA, NVDA/Jaws

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 (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
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. Fulltime employee (~150 employees) Prague (CZ)

Web Development Techlead **08/2014–02/2015**
• Architecture design of web services • Leadership, Recruitment
• Be responsible for web department • Monitor KPIs to assess performance
• Creating roadmaps, task management • Reporting to company board
• Backend components in PHP, Python • 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** Prague (CZ)

Seznam.cz, a.s. Fulltime employee (1000+ employees) Prague (CZ)

Senior Frontend Developer **08/2011–10/2012**
Frontend Developer **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. Fulltime contract (~10 employees) Rakovník (CZ)

Junior Web Developer **09/2007–03/2008**

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, 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/>
- XStatistiky.cz - Statistics and tools for portal XChat.cz
- XChat.cz API - REST API, XChat-BOT (chatbot)
- SimplyJS (ES5 JavaScript lib providing DOM manipulating and JS events)
- <https://github.com/janelznic/simplyjs>

Hobbies and interests

- Chatbots & Artificial Intelligence
- History, Theology, Genealogy, Geopolitics, Political science
- 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, documentaries