

## Kontakt

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(LinkedIn)  
jankominek.com (Portfolio)

## Nejčastější dovednosti

Git  
Node.js  
TypeScript

## Languages

čeština (Native or Bilingual)  
angličtina (Professional Working)

## Certifications

Building AI  
Elements of AI  
Introduction to Data Science in Python  
III. class Tennis Coach  
Joining Data in SQL

# Jan Komínek

Senior Frontend / Fullstack Engineer · Vue.js · React · TypeScript · Node.js | Building Scalable Web Apps | Open to Part-Time B2B  
Chrášťany, Středočeský, Česko

## Souhrn

I build complex web applications from scratch — fast. As a Senior Frontend / Fullstack Engineer, I specialize in Vue.js, React.js, and TypeScript, with deep backend experience in Node.js, PostgreSQL, Redis, and Docker-based infrastructure. I've led the development of an EV charging platform with its own payment system, architected containerized microservice deployments, and built data lineage visualization tools using D3.js with zero-trust client-side verification. Currently, I work as a freelance Senior Frontend Engineer at CORAC Engineering (building DeepTrace — a data provenance and integrity platform for Earth Observation data) and as a Fullstack Engineer at Intedat, where I develop scalable applications with Nuxt.js, AdonisJS, and Elasticsearch on DigitalOcean infrastructure. I'm also pursuing a B.S. in Applied Computer Science at the Prague University of Economics and Business, which gives me a solid grounding in system design, data analytics, and business strategy alongside my engineering work. What sets me apart: I thrive on hard problems. Whether it's designing a Docker Swarm deployment from IaaS, implementing real-time hash-chain verification in the browser, or mentoring a team of junior developers on Git workflows and architectural patterns — I bring ownership, speed, and clean code. Open to part-time B2B contracts and freelance projects. [contact@jankominek.com](mailto:contact@jankominek.com) | [jankominek.com](http://jankominek.com)

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## Pracovní zkušenosti

CORAC Engineering  
Senior Frontend Engineer  
dubna 2025 - Present (1 rok 1 měsíc)

Building SITH GUI (marketed as DeepTrace) — a specialized web application ensuring the provenance and integrity of Earth Observation (EO) data. The

platform enables data providers and consumers to verify data lineage and authenticity without ever transferring sensitive files.

- Architected interactive data lineage visualization using D3.js, rendering complex supply-chain graphs that trace file origins and processing steps via a "Query Trace" service
- Implemented client-side hash-chain integrity verification — the browser independently verifies data blocks against trusted records, following a zero-trust architecture
- Integrated AWS Cognito (OAuth) for secure, client-side-only authentication, protecting access to sensitive lineage data
- Built the application on a modern Vue.js stack with Vite and Shadcn UI, enforcing strict quality standards through automated linting and formatting with pnpm

Tech: Vue.js, D3.js, Node.js (v22+), AWS Cognito (OAuth), Shadcn UI, Vite, pnpm, REST API, Cryptography (Hashing)

## Intedat

Fullstack Engineer

září 2024 - Present (1 rok 8 měsíců)

Developing and maintaining a fullstack data platform with a focus on scalability, search performance, and reliable infrastructure.

- Building features end-to-end with Nuxt.js on the frontend and AdonisJS on the backend, backed by PostgreSQL and Redis
- Implementing and optimizing Elasticsearch-powered search across large datasets for fast, relevant results
- Managing CI/CD pipelines and DigitalOcean-based Linux infrastructure for production deployments
- Collaborating closely with product stakeholders to translate business requirements into technical solutions

Tech: Node.js, TypeScript, Vue.js, Nuxt.js, AdonisJS, TailwindCSS, Linux, CI/CD, DigitalOcean, SQL, PostgreSQL, Redis, Elasticsearch, Git

## Smíchovská střední průmyslová škola a gymnázium

Lecturer/Organizer

července 2025 - července 2025 (1 měsíc)

Hlavní město Praha, Česko

Teaching and organizing a week-long summer school for 50 students (8th & 9th grade) in game development fundamentals.

- Solo-taught "Intro and Basics of 2D Graphics" — consistently top-rated teacher in student feedback across all four years (2022–2025)
- Developed curriculum, designed final projects, and reviewed student work with constructive feedback
- Managed logistics and coordination for the entire week alongside other lecturers

Tech: C#, Unity, Figma, 2D Graphics

### IONT tech

#### Fullstack Engineer

srpna 2023 - září 2024 (1 rok 2 měsíce)

Led the full-stack development of a web platform for managing electric vehicle chargers — from infrastructure setup to payment integration.

- Built a public-facing charging app with online payment processing and remote charger authorization
- Designed and deployed infrastructure from scratch on IaaS, setting up Docker Swarm with microservices architecture
- Developed an auto-updating firmware delivery system and a complete charger control panel in close collaboration with the hardware/firmware team
- Worked across the entire stack: SvelteKit frontend, Fastify/Node.js backend, MongoDB + Redis data layer

Tech: Node.js, Fastify, TypeScript, SvelteKit, Linux, System Architecture, DevOps, CI/CD, Docker Swarm, MongoDB, Redis, Bash, Raspberry Pi, Git, Jira

### KMK family business

#### IT Support

června 2020 - února 2024 (3 roky 9 měsíců)

Рудна

Provided hands-on IT support for a family-run business, handling everything from day-to-day troubleshooting to network security and device management.

- Diagnosed and resolved Windows OS issues across the company's workstations

- Configured and maintained network printers, IoT devices, and local network infrastructure
- Monitored network security and implemented best practices to protect business-critical systems
- Organized and led safety training procedures for staff

Tech: Network Security, Network Administration, System Administration, Microsoft Office

## PRECISMO

Fullstack Developer

ledna 2023 - listopadu 2023 (11 měsíců)

Hlavní město Praha, Česko

Fullstack developer on a cross-functional Agile team building an internal customer portal.

- Collaborated daily with 6 developers and 1 product manager in a Scrum-based workflow
- Developed frontend features with React.js and backend services with Node.js
- Contributed to end-to-end testing with Playwright to ensure delivery quality

Tech: Node.js, JavaScript, React.js, Playwright, Git

## HAXAGON

Frontend Developer

října 2022 - července 2023 (10 měsíců)

Hlavní město Praha, Česko

Frontend developer on a cybersecurity e-learning platform, working alongside a dedicated designer and engineering team.

- Introduced improved development processes for code quality and delivery flow
- Built and maintained the platform's frontend with Vue.js and TypeScript
- Managed releases and collaborated on UX decisions with the design team

Tech: Node.js, TypeScript, Vue.js, TailwindCSS, Git

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## Vzdělání

Vysoká škola ekonomická v Praze

Bachelor's degree, Applied Computer Science · (září 2024 - července 2027)

Smíchovská střední průmyslová škola a gymnázium

High School Diploma, Cyber/Computer Forensics and Counterterrorism · (září 2020 - května 2024)