

David Kopelent

Software Engineer

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Summary

Software Engineer with nearly 3 years of experience building production web applications, analytics platforms, and internal systems. Experienced in full-stack development, backend architecture, and building data-driven applications. Strong focus on ownership, clean architecture, and collaboration.

Experience

Software Engineer

Storyous

📅 04/2025 - Present

Building and improving customer-facing platforms across the Storyous ecosystem, including the large-scale Admin portal and Premium Analytics platform.

- Drove the development of Premium Analytics, an embedded analytics platform built with Vue.js, Express, Snowflake, dbt, and Apache Superset, taking it from concept to production. The platform serves analytics data from over 5,000 customer databases and more than 1 billion records.
- Designed application architecture, CI/CD pipeline, OAuth2, and row-level security. Built analytics data models and optimized pipelines synchronizing data from eight database clusters into Snowflake.
- Reduced Snowflake costs by approximately 50% through query optimization and data model improvements, and improved dashboard load times from ~20 seconds to 3.46 seconds through caching and infrastructure tuning.
- Improved the Admin portal by delivering new features, bug fixes, and refactoring legacy components to improve maintainability and reliability.
- Maintained integrations between the Admin portal, POS terminals, and backend services, and collaborated with Product, Data, Customer Relations teams, and external clients to deliver technical solutions.

Full-stack Web Developer

Klimamont Kopelent s.r.o

📅 08/2023 - 04/2025

- Built an internal system that helps up to 50 people with their daily work and has been in use for over 2.5 years. It handles orders, contracts, work scheduling, and document workflows, replacing the old paper and spreadsheet processes.
- Modernized the company's web presence by improving UX, responsiveness, and mobile experience.

Projects

PawMeet (in development)

Social platform connecting dog owners to find nearby buddies for dog walking through location-based discovery and matching.

- Built a full-stack application from concept to MVP, including user profiles, dog profiles, realtime chat, push notifications, and matching features.
- Implemented geospatial search using PostGIS, reverse geocoding, and interactive maps of nearby users.
- Developed an installable PWA providing a near-native mobile experience.

TCP/IP Server for Robot Navigation

🔗 <https://github.com/davidkopelent/BI-PSI/tree/main/semestral-work>

Multithreaded TCP/IP server written in C++ that navigates multiple robots concurrently via a custom authenticated text protocol.

Spreadsheet Processor

🔗 <https://github.com/davidkopelent/BI-PA2/tree/main/fitexcel>

C++ spreadsheet engine with formula parsing (AST), cell references, range functions, and cyclic-dependency detection.

Skills

Languages/frameworks

JavaScript, TypeScript, Node.js, PHP/Nette, C++, React/Next.js, Vue.js, Tailwind CSS, REST APIs

Data Engineering & Analytics

Snowflake, dbt, Apache Superset, Apache Airflow, PostgreSQL, MariaDB/MySQL, MongoDB, Prisma, Doctrine

Skills

Cloud & DevOps

AWS, Heroku, Docker, Redis, CI/CD, Vercel, Git

Education

Software Engineering & IT Management

Faculty of Information Technology, CTU

📅 2022 - 2025

High School Diploma

František Křížík Secondary School of Electrical Engineering

📅 2017 - 2021

Certifications

First Certificate in English (B2)

Cambridge English

Languages

Czech	Native	English	B2 (Cambridge Certified)
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Interests

Technology	Business	Investments
Road cycling	Music	Film