

Ondřej Pták

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SUMMARY

Full-Stack Software Engineering student focused on building modern web applications with React, Next.js and Spring Boot. Interested in creating polished user experiences, scalable systems and turning ideas into complete products through personal and academic projects.

EDUCATION

University of West Bohemia in Pilsen

Bachelor of Software Engineering

Pilsen, Czech Republic

September 2025 – Present

Secondary School of Electrical Engineering, Pilsen (SPŠE)

Information Technology – Application Development

Pilsen, Czech Republic

September 2021 – June 2025

PROJECTS

TextForge | *TanStack Start, TypeScript, PostgreSQL, Drizzle, Stripe*

2026

- Built a full-stack text transformation platform with live preview and optimized handling of large inputs.
- Implemented AI-assisted workflows for formatting, cleaning, and schema inference from unstructured text.
- Designed server-side architecture with TanStack Start server functions, Drizzle ORM, and Neon Postgres.
- Integrated Better Auth, Stripe premium checkout, and transactional email via Resend.

PixelVerse | *Next.js, TypeScript, Sanity, TanStack Query, Tailwind CSS*

2025

- Built an AI-moderated community platform for pixel artists with profiles, feeds, and content discovery.
- Integrated Sanity.io as a headless CMS for posts, metadata, and dynamic content workflows.
- Designed reusable frontend architecture and scalable data workflows across interactive interfaces.
- Balanced open community sharing with automated content moderation for uploaded artwork.

OMORI Wordle | *Next.js, TypeScript, PostgreSQL, Drizzle, Vitest*

2026

- Developed a full-stack Wordle-inspired game featuring daily challenges and authenticated player progress.
- Implemented persistent game state and user accounts using Better Auth and PostgreSQL.
- Designed maintainable client-side state management and gameplay logic.
- Added automated testing for game mechanics and authentication flows.

Minimal E-Shop | *React, TypeScript, Spring Boot, PostgreSQL, Stripe, Docker*

2025

- Developed a full-stack e-commerce application with product catalog, cart, and Stripe checkout.
- Designed and implemented Spring Boot REST APIs for authentication, catalog and order workflows.
- Handled Stripe payment confirmation and webhook processing for reliable order completion.
- Containerized application services using Docker Compose for local and production environments.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, SQL

Frontend: React, Next.js, TanStack Start, React Native, Tailwind CSS, GSAP

Backend: Spring Boot, Express.js

Databases: PostgreSQL, MySQL, Supabase, Neon

Data/State: TanStack Query, Zustand

Tools/Services: Docker, Stripe, Sanity, OpenAI, Vercel, Vitest, Drizzle ORM