

# Andrei Koleda

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## SUMMARY

Full-stack web developer with 6 years of experience building applications across various industries, including advertising, marketing, and education. Strong expertise in TypeScript, React, Next.js and Node.js, with experience developing end-to-end applications including frontend, backend, databases, third-party integrations, cloud infrastructure, and AI solutions.

## SKILLS

**Programming Languages:** TypeScript, JavaScript

**Frameworks & Libraries:** React, Redux, Next.js, Node.js, Express.js, NestJS, Tailwind CSS

**AI & LLM:** MCP, RAG, LLM APIs, AI integrations, Claude Code

**Tools & Technologies:** PostgreSQL, MySQL, MongoDB, Cloudflare, Docker, REST API, Playwright, Jest, Git, CI/CD

## EXPERIENCE

### Sanddev Sp. z o.o.

October 2023 - Present

**Patriot Mail** - Email client that connects to existing email providers and allows users to keep their current email address and provider.

**Technologies:** TypeScript, Next.js, Node.js, Cloudflare Workers, IMAP/SMTP (imapflow), SQLite, OAuth, PostHog

- Developed a multi-provider email client using a custom IMAP/SMTP proxy architecture to keep user email data private.
- Integrated OAuth 2.0 authentication for Google, Microsoft, Yahoo and Apple.
- Implemented accessibility features for elderly and disabled users.
- Integrated PostHog for error tracking and user conversion analytics.

**Enterprise Affiliate & Attribution Engine** - Ad network platform that tracks advertising campaigns and stores results on the BSV blockchain.

**Technologies:** Next.js, TypeScript, Node.js, Cloudflare Workers, PostgreSQL, Redis, Turborepo, Playwright, Blockchain BSV

- Developed synchronization with Cloudflare R2 storage.
- Integrated SendGrid for email delivery.
- Integrated the Everflow API for campaign tracking and built a custom email template editor with cloud-based asset management.

**Suppression List Management (Compliance)** - Application for suppression list management for ad networks and marketers.

**Technologies:** Next.js, TypeScript, Node.js, PostgreSQL, Playwright, Cloudflare

- Integrated SendGrid for sending suppression list data.
- Implemented historical data tracking and real-time activity monitoring using Cloudflare services.
- Created a reporting and analytics system.

**Sandtime.io** - Web-based project management platform with time tracking, reporting and employee work management features.

### IntexSoft

June 2020 - October 2023

**Blackboard** - Virtual learning environment and learning management system.

**Banking client management system** - Web application for managing bank clients.

**HMI Web Engine** - Web framework used to configure and assemble distributed automation and simulation systems for steel production.

## LANGUAGES

**Polish:** C1 (Advanced)

**English:** C1 (Advanced)

## EDUCATION

### Lodz National University

October 2017 - October 2020

Faculty of Mathematics and Informatics

Lodz, Poland

I agree to the processing of personal data provided in this document for realizing the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons about the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).