

# Aleksandar Zivkovic

Vancouver, BC | [alzivkovic@outlook.com](mailto:alzivkovic@outlook.com) | [github.com/al-zivkovic](https://github.com/al-zivkovic) | [LinkedIn](#)

## EDUCATION

**British Columbia Institute of Technology**  
*Computer Information Technology Diploma*

Vancouver, BC  
September 2021 - May 2023

## WORK EXPERIENCE

**Illuminai Intelligence Corporation**

Junior Software Developer (Support & Analytics)

**Vancouver, BC**  
October 2024 - Present

**Elixir | React Native | Python | PostgreSQL | iOS | Android**

- **Developed the React Native mobile app**, replacing web portal logins with an App Store solution that reduced client processing time and accelerated the adoption across brokerages.
- **Managed mobile app releases** for iOS and Android, ensuring compliance with App Store and Play Store policies for every version release.
- **Developed optimized SQL queries** to enhance data retrieval and metric analysis, reducing computational overhead and lowering company costs.
- **Localized the Elixir platform** for French-Canadian (i18n/L10n) markets, integrating FINTRAC AML/KYC workflows in bilingual format, expanding company revenue from Quebec-based real estate firms.
- **Built a Python-based [Excel Normalization desktop app](#)** for automated, rule-based data cleaning and normalization. Implemented data validation, transformation and deduplication pipelines using **Pandas DataFrames**, significantly reducing manual preparation time.
- **Automated weekly business intelligence reports** for the company's largest client, freeing resources for higher-impact projects.
- **Followed semantic Git practices** (feature branches, PR templates) to minimize CI/CD pipeline errors and accelerate hotfix deployments.
- **Revamped and centralized internal knowledge base and GitHub Wiki**, reducing support ticket resolution time and improving onboarding efficiency.

## PROJECTS

**Nailify Mobile App** | Request for Source Code

**iOS | Android | React Native | Node.js | AI**  
August 2025 - Present

- Designed and developed an **AI-powered nail customization app** using React Native (Expo) and Node.js.
- Enabled users to upload hand photos that apply preset options for nail length, shape, color and finish, **generating realistic AI-enhanced images** with their selected styles.
- Integrated an **image-generation and prompt-handling** pipeline using OpenAI's image API, fine tuned for visual realism and consistency.
- Built secure backend endpoints for **authentication, image upload and retrieval**, leveraging **Supabase (database/storage)** and **Clerk (auth)**.
- Implemented **API abuse protection and rate-limited logic** using Redux middleware to enforce per-minute, hourly, and daily request caps.

**CalVision Mobile App** | Request for Source Code

**React Native | Elixir | Expo | TypeScript**  
August 2024 - March 2025

- Designed and developed a **calorie tracking app** with a React Native frontend and Elixir backend, enabling users to log meals, track macros, and visualize progress in real-time.
- **Engineered secure user authentication** (OAuth/JWT) for account creation, login, and cross-session and data persistence, ensuring **100% data security** and compliance with GDPR standards.

- **Integrated third-party APIs** to fetch and display nutritional data for 500,000+ food items, reducing manual entry time and improving logging accuracy for users.
- **Built an AI-powered camera feature** for real-time food analysis, allowing users to photograph meals and instantly receive an accurate estimate of macronutrient data.

## TECHNICAL SKILLS

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**Languages/Frameworks:** Elixir, React Native, Node.js, TypeScript, Python, React JS, Swift (iOS), Kotlin (Android), Django

**Database:** PostgreSQL, MySQL, MongoDB, Supabase

**Cloud Services:** AWS, GCP, Docker, Kubernetes, DigitalOcean

**Release/Tools:** App Store Connect, Play Console, Git, Postman