

RASTKO SALVARICA - Full-Stack Software Engineer

Vancouver, BC • Open to Remote (US & Canada) • Willing to relocate • Eligible for NAFTA/TN

🏠 [PORTFOLIO](#) | 🌐 [GITHUB](#) | ✉ raciosh@gmail.com | ☎ +1 (236) 335-8449

Summary: Full-Stack Software Engineer (**React/Next.js, TypeScript, GraphQL, Node.js, AWS**). Built a scalable production back-office app for 2000+ users; focused on 0→1 architecture, UI systems, and maintainable code.

WORK EXPERIENCE

PressCentric — Full-stack Software Engineer

May 2023 – Jun 2025

Next.js, React, TypeScript, GraphQL/Apollo Client, MUI, Java, AWS, CI/CD

- Developed a **modern, scalable back-office platform** from the ground up, delivering high-performance and maintainable features for managing client data, orders, and payments across departments, **supporting 2000+ monthly users**.
- Delivered **30+ dynamic pages and reusable components** with strong typing, unit tests (Jest/RTL/Chai), and Storybook-style docs for consistency and speed.
- Mentored **3 junior developers** through PR reviews, pairing, and workflows; introduced PR templates and testing guidelines that reduced regressions **~30%** over two quarters.
- Architected a reusable **filtering/data-grid** system (React, Apollo pagination/caching) that reduced page load from **~1.8s → ~0.9s** and **65%** fewer duplicate queries.
- Partnered with backend to harden **AWS** delivery (**S3, EC2** with **Docker** containers, **VPC**, CI pipelines), cutting deploy time from **~15 min → ~6 min** and improving reliability.
- Implemented an **HTML-like editor** and **dynamic page builder** (MUI, 30+ templates) enabling non-technical teams to ship microsites; weekly content output increased **~2.3×**.

SELECTED PROJECTS (Full-Stack & ML)

TTRPG Characters Manager — Full-Stack Web App

Dec 2024 – Sep 2025

Next.js, React, TypeScript, GraphQL/Apollo (Client + Server), Prisma, Neon Postgres, MUI, JWT

- Developed a **full-stack** character management **web app** for **tabletop RPG players**, offering a more intuitive and flexible alternative to existing platforms with **real-time editing, stat tracking, and user account management**.
- Implemented **per-request JWT scoping** for GraphQL queries/mutations with resolver-level authorization; **Prisma + Neon Postgres** with migrations and seed data, securing **50+ characters** for **8–12 weekly active users**.
- Designed the **GraphQL schema and resolvers** in Apollo Server with strong typing and input validation; introduced **cursor pagination**, and code-generated types (Prisma) to keep the API **predictable, type-safe, and easy to extend**.
- Plan to ship **monthly feature releases** (character sheets, stats, export) informed by weekly session feedback.

X-Ray Age Prediction — ML Project Lead | (Python, PyTorch, scikit-learn, Seaborn)

Mar 2025 – Apr 2025

- Led a team of 5** to develop a CNN-based bone age prediction model on **12,000+ pediatric X-rays**, achieving a **13-month MAE** and extending the system to gender classification with **83% accuracy**.
- Built a **custom PyTorch pipeline** for preprocessing (resizing, normalization, metadata integration) and trained a **6-layer convolutional network** with batch norm, dropout, and optimized **MAE+MSE loss**.

Commodities Price Prediction — Data Science / Web App Project

Nov 2024 – Dec 2024

Flask, Python, Pandas, Next.js, MUI, Axios, ApexCharts, REST API, statsmodels

- Developed a full-stack app with a Python backend to analyze and forecast commodity prices using **ETL on 30 years of historical data**.
- Implemented **dynamic routing for 8 resources** including aluminum, gas, coffee, and wheat, with 5-year price predictions and interactive data visualizations made with ApexCharts.

EDUCATION AND CERTIFICATIONS

- Bachelor of Science in Computer Science** | Simon Fraser University, Burnaby
- AWS Cloud Practitioner Certification**

Jan 2022 – Aug 2025

Jun 2024

SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, GraphQL, Apollo Client, MUI, Redux, Jest/RTL

Backend: Node.js, Express, Apollo Server, Prisma, Postgres/MySQL, REST API

Infra: AWS, Git, Docker, PostgreSQL, MongoDB, Vercel, Neon, CI/CD