



# KYLE BALISNOMO

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 kyle-balisnomo ·  kbalisnomo

## WORK EXPERIENCE

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### INVIDI Technologies

Edmonton, AB, Canada (Remote)

#### Intermediate Software Developer

June 2022 - October 2025

Engineered high-performance, scalable, and fault-tolerant applications using Kotlin, Spring Boot, Kubernetes, and AWS for the INVIDI Conexus™ platform.

- Developed and maintained a critical component handling 100,000+ ad inventory requests daily.
- Designed and implemented a notification system using AWS Lambda and SES, increasing ad slot utilization by 15%.
- Built and deployed secure RESTful APIs with OAuth 2.0 authentication, enabling reliable inter-service communication.
- Containerized applications and deployed them to Kubernetes clusters on Amazon EKS.
- Managed multi-environment cloud infrastructure using Terraform and monitored system health via Datadog.
- Ensured 99.9% uptime as part of 24/7 on-call rotation, minimizing revenue loss.
- Mentored new developers, reducing onboarding time and improving team productivity.
- Recipient of the 2023 INVIDI Best Talent Award for exceptional contributions to platform reliability and team success.

### INVIDI Technologies

Edmonton, AB, Canada (Remote)

#### Software Developer Intern

May 2020 - September 2021

Collaborated within a scrum team of 6 to develop Kotlin microservices for the INVIDI Edge™ platform, enabling television distributors and providers to seamlessly deliver targeted advertising to their audience.

- Enhanced backend contract management system, ensuring precise ad insertion rights allocation.
- Increased unit/integration test coverage from 60% to 95%, significantly improving code reliability.
- Extended Datadog dashboards and monitors, resulting in a 32% improvement in incident detection accuracy.

## EDUCATION

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### University of Alberta

Edmonton, AB, Canada

Bachelor of Science with Specialization in Computing Science

May 2022

## PROJECTS

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### INVIDI Symphonia Google Gemini, React, Express, Python

A generative music platform, winner of the INVIDI 2024 Hackathon.

- Generated chords and melodies via Google Gemini API.
- Translated text data to midi files using Python.
- Utilized Material UI for our React frontend.

### ISSSRewards React, Django

A rewards-based web application for The Interdepartmental Science Students' Society at the University of Alberta with 30,000+ members.

- Developed a React frontend and a fully specified REST backend built with Django and PostgreSQL.
- You can view a video demo of the project here. 

## TECHNICAL SKILLS

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**Programming Languages:** Kotlin, Java, Python, C, C++, JavaScript, Bash, HTML/CSS

**Frameworks & Databases:** Spring Boot, React, Express, Kotest, Pytest, PostgreSQL, Django

**Cloud:** AWS (IAM, Lambda, Step Functions, SQS, SNS, S3, API Gateway, RDS, DynamoDB, AppConfig, EventBridge, EC2, SES, Secrets Manager, CloudWatch, CloudFormation)

**Tools:** Git, Postman, Datadog, Docker, Kubernetes, Terraform, Swagger, PagerDuty, Atlassian Suite (Confluence, Jira, Bitbucket), Amazon Q