KYLE BALISNOMO

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in kyle-balisnomo · ⊙ kbalisnomo

TECHNICAL SKILLS

Programming Languages:	Kotlin, Java, Python, C, C++, JavaScript, Bash, HTML/CSS
Frameworks and Databases:	Dropwizard, React, Express, Kotest, Pytest, PostgreSQL, Django,
AWS:	IAM, Lambda, Step Functions, SQS, SNS, S3, API Gateway, RDS, DynamoDB, AppConfig, EventBridge, EC2, SES, Secrets Manager
Tools:	Git, Postman, Datadog, Docker, Kubernetes, Terraform, Swagger, PagerDuty, Atlassian (Confluence, Jira, Bitbucket)

WORK EXPERIENCE

Intermediate Software Developer — Edmonton, AB, Canada (Remote)

INVIDI Technologies — June 2022 - Present

Engineered high-performance, scalable, and fault-tolerant applications using Kotlin, 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 notification service, increasing ad slot utilization by 15%
- Implemented RESTful APIs with OAuth 2.0 authentication, securing data exchange between system components.
- Containerized applications and deployed them to Kubernetes clusters on Amazon EKS.
- Managed multi-environment cloud infrastructure using Terraform and monitored system health via Datadog.
- Part of a 24-hour on-call rotation, ensuring a 99.9% system uptime and 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.

Software Developer Intern — Edmonton, AB, Canada (Remote)

INVIDI Technologies — 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.

PROJECTS

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. ▶

EDUCATION

University of Alberta — Edmonton, AB, Canada

Bachelor of Science with Specialization in Computing Science — May 2022