

# Erik Barns

barnserik@gmail.com • ( 847 ) 840 - 0759 • www.barnserik.com

## Education

### DePaul University

BS in Computer Science

2017

GPA: 3.9/4.0

## Technical Skills

**Java & Kotlin (6+ years)** Spring Boot APIs

**Python (6+ years)** Flask, Boto, Pandas, Numpy, Scikit, Keras & more

**Frontend Development (6 Years):** Javascript, React JS, Redux, Jest, Enzyme, HTML, CSS, Webpack, Babel.

**Databases (5+ years):** Mysql, Postgres, Cassandra, Dynamo DB.

**AWS (6 years)** Developed applications with a variety of AWS services including Lambda, Elasticsearch, Open Search, S3, SQS, SNS, Step Functions, API Gateway, IAM, Cloudwatch, ECS, Fargate, Beanstalk etc.

**Mobile (2 Years):** iOS, Flutter, Android, React Native

**Other** experience with: Looker, Serverless, CI/CD, Docker, Jolt, Terraform, Kafka, Maven, Gradle

## Work Experience

### Label Insight (NIQ)

Senior Engineer

February 2019 - Present

At Label Insight I'm acting primarily as a Backend engineer with some Full Stack development, working on a Scrum style team. I served as a team lead from 2022-2024. Some of my main responsibilities are developing and scaling Label Insight's product data generation, transformation and delivery solutions. I was responsible for building a data entry & transformation platform that utilized multiple machine learning models (classification, predictive, LLM) to turn raw text into structured data with valuable derived information. I designed the "engine" that powers Label Insight's Product Attribution, which takes rule based logic written by dieticians and nutritionists and turns the rule into a data point indicating valuable information about a product (Vegan, Gluten free etc.) I also took part in scaling the data delivery solution to handle millions of product data deliveries to customers on an average day. At Label developed dozens of restful API's that are built using Spring Boot. As a team lead I was responsible for turning team sprint goals into vertically sliced tickets of work and overseeing sprint development as well as mentoring junior developers. On a daily basis I used and designed solutions using AWS services, and delivered software updates via CI/CD pipelines.

### Pendulum VFX

Developer

May 2022 - Present

Developed a website for Pendulum VFX, a boutique visual effects company. Worked closely with the client and designer to implement Figma designs as well as content management functionality. Used React, as well as AWS lambda & S3 to power the website. (www.pendulumvfx.com)

### Arity

Software Engineer

June 2017 - January 2019

Full Stack developer working on an Agile team practicing paired programming and TDD. Worked with technologies like React, Redux, Spring Boot, Cassandra, and Kafka on a daily basis. Also contributed to the development of an Android SDK for customer integration and developing an iOS mobile application.