

# Kyle Goodale

kgoodale13@gmail.com | Boston, MA 02127  
[linkedin.com/in/kgoodale13](https://www.linkedin.com/in/kgoodale13) | [GitHub: @KGoodale13](https://github.com/KGoodale13) | [KyleGoodale.com](https://kylegoodale.com)

---

## SUMMARY

Senior Software Engineer specializing in high-performance data streaming, distributed computing, and language parsing. Enjoys solving complex problems and learning new technologies. Functional programming enthusiast. Experienced in running large-scale reliable data processing platforms, microservice development, and machine learning operations (MLOps).

---

## EXPERIENCE

**Senior Software Engineer, E5** October 2021 - Present

- Created a new generic query language for executing queries across a multitude of database technologies.
- Created a platform for containerizing and deploying any machine learning model.
- Created a platform to enable internal Subject Matter Experts (SME's) to train their own Large Language Models (LLMs) with minimal data science skills required.
- Led a complex project rewriting one of the oldest parts of our platform while ensuring no interruption to the existing feature.
- Gained experience as a team lead architecting, coordinating, and communicating feature development across teams.
- Skills Used: Scala, Python, Akka Streams, MLFlow, Kubernetes, Functional Programming, SQL, Postgres, Spark

**Software Engineer, Threat Stack** July 2019 - October 2021

- Developed highly available microservices for various projects. Leveraging functional programming heavily.
  - Developed and maintained a streaming query language for classifying and filtering millions of events per second.
  - Developed and maintained various high-performance streaming applications capable of processing millions of events per second.
  - Developed and maintained a large data platform storing hundreds of terabytes of data.
  - Optimized existing streaming services to cut operating costs by over half.
  - Received numerous awards for performance.
  - Developed tools for identifying performance bottlenecks and application failures.
  - Skills Used: Scala, Akka Streams, Functional Programming, Finch/Finagle (Twitter Stack), SQL, Parquet, Postgres, Elastic Search, Kafka, Parquet, Hive, Spark
- 

## SKILLS

### Languages:

- Scala (*Expert*)
- Java (*Advanced*)
- Python (*Intermediate*)
- Kotlin (*Intermediate*)
- JavaScript (*Beginner*)
- Go (*Beginner*)

### Technologies:

- Data Streaming (*Expert*)
  - Akka Streams (*Expert*)
  - Data Platform Development (*Advanced*)
  - Kubernetes (*Advanced*)
  - SQL (*Advanced*)
  - Postgres (*Advanced*)
  - Kafka (*Advanced*)
  - ML Ops (*Advanced*)
  - MLFlow (*Advanced*)
  - Functional Programming (*Advanced*)
  - Elasticsearch (*Advanced*)
  - Amazon Web Services (AWS) (*Intermediate*)
- 

## EDUCATION

**B.S, Computer Science**  
University of Maine