

Edmund Summers

Staff software engineer with proven experience leading development of scalable distributed systems, as well as a strong product focus.

Slough, UK | eddie-summers.com | github.com/esummers1

Key Skills

Languages: Java, TypeScript; some Ruby, Python, Kotlin

Frameworks: Spring Boot, React; some Rails, Angular

Data: PostgreSQL, MySQL, DynamoDB, ElasticSearch

Messaging: SNS, SQS, KDS, Kafka

Cloud: AWS (Lambda, CloudWatch, CloudFormation etc.), some GCP (Cloud Run, BigQuery)

Experience

Beacon

Beacon is a supply chain visibility and collaboration platform, aggregating useful insights to help customers make better business decisions, and to share those insights with their own customers. Beacon uses an event-driven microservices architecture, primarily running in AWS using Java and Spring Boot. The system uses a variety of data stores for different purposes, and has a number of external integrations, most notably for ingesting our core tracking data.

Staff Software Engineer / Tech Lead (Jul 24 - Present)

Acted as delivery lead and line manager for a team of 6 engineers. Worked closely with product organisation on product-led growth initiative, enabling a product-led sales strategy. Key projects:

- Customer lifecycle automation: self-signup, integration with third-party billing provider, and pay-by-card/on-platform billing functionality
- Introduced “tracking credits”, a means of controlling costs and letting customers track their usage against contract volume
- Implemented branded multi-factor authentication using Auth0
- Worked with data engineering team to migrate event publishing solution to SNS/SQS, significantly reducing application developer toil and reducing cost to publish data by ~90%

Senior Software Engineer (Jun 23 - Jul 24)

- Led design and delivery of several product features, including document upload and container detention tracking, as well as adding service level tiers in preparation for product-led growth initiative
- Created internal tool to generate, version, and deploy Glue Schemas from domain classes for interfacing with our data platform in GCP, improving developer safety when evolving domain model
- Conducted programming interviews for backend engineers, and acted as onboarding buddy/mentor

Software Engineer (Mar 22 - Jun 23)

- Delivered core product features using Java, Spring Boot, TypeScript, React, DynamoDB, PostgreSQL, Kafka, ElasticSearch, GraphQL
- Early contributor to design of new multi-modal domain model, advocating for PostgreSQL over incumbent DynamoDB to allow relational queries over large numbers of cargo events, transport legs etc.
- Back-end technical lead on winning hackathon project that was adopted in the roadmap, and became a core product feature (Beacon Boards)
- Supported core services in-hours and while on-call using Grafana dashboards, CloudWatch etc.

Duco

Duco is a data automation and reconciliation platform - at its core, an engine for matching items across diverse data sets. Most of our customers at the time were banks and other financial institutions.

Full Stack Developer (May 21 - Mar 22)

- General feature development using Ruby on Rails, a Java/Akka backend for asynchronous jobs and MySQL
- Improved the performance of bulk configuration actions from minutes to seconds by implementing a bulk version of the relevant job: analysis showed most of the time taken was overhead from repeated jobs
- Served rotations on third-line support, triaging and resolving customer issues
- Wrote playbooks to enable first- and second-line support staff to triage alarms without third line involvement

Sage

Worked on Sage People, a self-service HR system built on the Salesforce platform, with an Angular frontend.

Senior Software Engineer (May 20 - May 21); Software Engineer (Apr 18 - May 20)

- Launched a modern replacement for a core product vertical, leading technical design of key areas
- Demonstrated product enhancements in hackathons including sentiment analysis for performance reviews, UI themes for colour blind users, and an in-app feedback tool
- Mentored junior colleagues in engineering practices

Education

MSc Computer Science (Distinction)

University of Bath [Distance learning] (2019 - 2022)

My dissertation project studied the use of deep reinforcement learning for autonomous vehicle control in difficult situations, e.g. unfamiliar areas and low-grip conditions.

BSc (Hons) Sport & Exercise Science (2:1)

University of Bath (2010 - 2013)