Harry Bournis

Full Stack Software Engineer

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Skills

Programming Languages	Java, Kotlin, Ruby, JavaScript/TypeScript (Node.js), SQL, Emacs Lisp
Backend Frameworks	Spring Boot, Ruby on Rails, Kafka Connect, Apache Camel, Spring Batch
Frontend Frameworks	Vue.js, React, Angular
Databases	PostgreSQL, MySQL, MongoDB, Redis
Data Infrastructure	Apache Kafka, Snowflake, Apache Airflow, AWS Lambda
DevOps Tools	Git, Docker, Kubernetes, Gitlab CI/CD
Languages	English (Proficiency), German (B1), Greek (Native)

Experience

Software Engineer
July 2023 - January 2025

BESTSECRET

- Orchestrated a large-scale data migration from a monolithic Spring Boot application to a microservices architecture using Apache Kafka, successfully managing the transition while minimizing downtime.
- Contributed to the migration of a legacy Java SAP Hybris system to a Kotlin microservices architecture.
- Maintained Spring Batch application batch processing of customer events.
- Created Kafka Connect (JDBC, Debezium) applications facilitating the transition to an event-driven architecture.
- Refactored multiple JSP pages to a Vue.js single page application.
- Performed Scrum master duties on a rotational basis.

Senior Software Engineer
May 2022 - July 2023

PERSADO

- Designed and implemented Data Pipeline for event data from email marketing campaigns.
    - Bulk processing pipeline with AWS Lambda, Snowflake and Airflow.
    - Real-time processing pipeline with Apache Kafka, Snowflake, MongoDB and Node.js microservices.
- Implemented Node.js high performance API to collect tracker data and publish to Kafka
- Conducted 20+ of technical interviews.
- Organized and dockerized microservices in a Monorepo.
- Redesigned Ruby project architecture in a modular way to support working with contractors.
- Code reviews and mentoring junior engineers.

Software Engineer
February 2019 - May 2022

PERSADO

- Created Java ETL application with Apache Camel processing 200+gb/day.
- Maintained 3 monolithic Ruby on Rails projects.
- Implemented integrations with multiple marketing platforms (Salesforce, Optimizely, Braze, Oracle Responsys, Adobe Analytics etc.)

Junior Full-Stack Engineer
June 2018 - February 2019

EUROPEAN DYNAMICS

- Contributed to form-designing low code tool written in Angular and Java Spring, in Government-commissioned projects.
- Reduced rendering speed up to 100% in business-critical functionalities in Angular app.
- Integrated credit card payments flow on both backend and frontend.

Sound Engineer
Mar 2012 - Aug 2014

FREELANCER

Education

BSc (Hons) in Computer Science (Internet Computing)   *2014-2017*
University of Sheffield

- First Class Honours
- Best Final Year Project Award for having "the best 3rd level dissertation project in Computer Science Department"
- Prof. MIKE HALCOMBE AWARD for Outstanding Performance for ''overall outstanding performance''
- Head's List (Autumn 2016, Spring 2016 & 2017)

BA in Music Production and Engineering   *2009-2012*
University of Wales

Open Source

CapstoneED: Gamified Peer Assessment Platform   *Jul 2016 - Jun 2017*
Dissertation (Group Project)

- Collaborated with a fellow Student to create a system for peer assessment in group projects
- Utilized gamification aspects to engage the students and provided statistics to the lecturers through a comprehensive admin panel
- Implemented a RESTful API in Ruby on Rails and an Angular web application
- Facilitated team collaboration through Test-driven development and extensive API documentation
- Implemented JWT (JSON Web Tokens) authentication scheme

Twig   *Nov 2020*
Open Source Project Contribution

- Fixed bug on the Twig templating engine written in PHP.
- https://github.com/twigphp/Twig/pull/3425

WillPaginate::Materialize Ruby Gem   *Oct 2016*
Open Source Project Contribution

- Fixed bug in the WillPaginate Ruby Gem extension for the Materialize framework.
- https://github.com/patricklindsay/will_paginate-materialize/pull/4/

Sorbet   *Jul 2021*
Open Source Project Contribution

- Contributed Sorbet type definitions for Rails' ActiveRecord::Store class.
- https://github.com/sorbet/sorbet-typed/pull/369

Org Fancy Priorities   *Feb 2018 - Present*
Emacs package

- Created Emacs package that allows the user to customize the appearance of Emacs Org Mode.
- Coded in Emacs Lisp
- 39,000+ downloads on MELPA (Emacs' package repository)
- 100+ stars on GitHub