# Bruce **Taylor**

Senior Software Engineer

Nebsite

Github

in LinkedIn

## Programming </>

Java 21JavascriptSQLKotlinHTML/CSS

### Spring Boot 💋

Web · ReactiveData JPASecurity/OAuth2

Spring Batch
Rest Docs

TestContainers

#### Jakarta EE 🗮

Wildfly/JBossGlassfishJSFHibernate

HibernateJAX-RS

## Cloud 🏝

· AWS · GCP · Azure · Linode

## Databases **≘**

MySQLPostgreSQLElasticSearch

Solr • Redis

## Tools 🎤

Linux (Kubuntu)Ansible

TerraformIntelliJ • Docker

Kubernetes

**4** +44 0 7547 266899

bruce.a.taylor88@gmail.com

## Profile

Senior Engineer with over 12 years of experience across various industries. I've delivered resilient backend services, cloud infrastructure, monitoring, and testing tools, while also contributing to mentoring and hiring initiatives. I take pride in collaborating within and across teams to achieve results and share knowledge.

# Work Experience

Jan 2023 - Dec 2024

## Senior Software Engineer

Motors · Remote ♀

**Search API Development**: Led the design and implementation of a scalable, low-latency Search API using Spring Reactive and Solr to support Motors' first mobile app launch. Ensured optimal performance by implementing scaling rules on Azure cloud infrastructure.

**Cloud Migration**: Migrated existing Java Spring Boot services to Azure, leveraging Terraform for Infrastructure as Code (IaC) to streamline deployments and improve infrastructure reliability.

**Observability and Testing**: Enhanced system reliability by introducing observability practices with New Relic and conducting comprehensive load testing using Gatling.

**Java Chapter Leadership**: Chaired the internal Java chapter, driving the adoption of best practices, libraries, and frameworks through collaborative Architecture Decision Records (ADRs).

Oct 2020-Dec 2023

## **Senior Software Engineer**

MyTutor · Remote ♥

**Microservices Transition**: Spearheaded the migration of legacy Jakarta EE monolith services to scalable Spring Boot microservices, enabling the business to adopt a more agile and modular architecture.

**Authentication Overhaul**: Designed and implemented a modern authentication solution using AWS Cognito, incorporating a lazy user migration strategy to ensure seamless onboarding and authentication across distributed microservices on AWS ECS.

**Data Migration and Event Streaming**: Leveraged AWS DMS and Kafka to capture and publish data events, facilitating a smooth transition from the monolith to microservices.

**Cloud Infrastructure Deployment**: Deployed microservices and supporting infrastructure on AWS using Terraform, ensuring reliability and scalability.

**Leadership and Collaboration**: Organized and led architecture and senior technical leadership meetings, fostering cross-team collaboration. Actively contributed to developer recruitment to build a robust engineering team.

June 2019 -Oct 2020

## **Senior Software Engineer**

AUTO TRADER · Remote/Manchester ♀

**Legacy Service Modernization**: Refactored and upgraded legacy Java Spring services to Spring Boot 2, ensuring compliance with the 12-factor app principles for cloud-native deployment.

**Cloud Migration**: Led the migration of core services from VMs in a local data center to Google Kubernetes Engine (GKE), reducing hosting costs and improving scalability and reliability.

**Cost-Effective Migration Strategy**: Developed an analysis tool using Prometheus and other metrics to prioritize service migrations based on a cost-risk analysis, streamlining the cloud transition process.

**Service Messaging Architecture**: Designed and extended to Kafka based messaging queues, using Avro schema for robust message serialization and validation.

motors



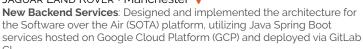


Sep 2018 - May 2019

July 2017 - April 2018

## **Senior Software Engineer**

JAGUAR LAND ROVER · Manchester 9



Monitoring tooling: Established and configured monitoring and analytics tools, including ELK Stack, Grafana, Redash, and Sentry, to enhance system observability and diagnostics.

Mentoring: junior developers, with one-to-one sessions, presentations and mini hackathons.

**Lead Developer** Shepper · London ♀

Oct 2015 - June 2017 **Software Engineer** 

Moo · London ♀

**Graduate Software Engineer** Sep 2012 -Oct 2015

BT · Glasgow ♀







## DEGREES

2011 **Computer Science** 

MSc · University of Dundee in

DUNDEE

2009 **Biomedical Science** 

BSc Hons. · University of Dundee 🏛



## LANGUAGES

**English** C2 native speaker **French** Α2 Spanish Α2

# INTERESTS

I have recently been travelling across Asia and South America with my partner. The career break has been rewarding and has required me to step out my comfort zone, be flexible and manage lots of moving

I am also in the process of renovating a cottage in a remote Scottish island, which draws many parallels to software development.

I enjoy playing electric guitar and collecting Ibanez guitars.

Its important for me to keep up to date in the tech community, so I like to attend conferences such as DevOxx London and Spring IO in Barcelona, as well as local meetups.