Bruce **Taylor**

Senior Software Engineer

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✉ bruce.a.taylor88@gmail.com

🔗 **Website**

 Github

 LinkedIn

Programming </>
- Java 21
- Javascript · SQL
- Kotlin
- HTML/CSS

Spring Boot 🛶
- Web · Reactive
- Data JPA
- Security/OAuth2
- Spring Batch
- Rest Docs
- TestContainers

Jakarta EE 📄
- Wildfly/JBoss
- Glassfish · JSF
- Hibernate
- JAX-RS

Cloud ☁
- AWS · GCP
- Azure · Linode

Databases 🗄
- MySQL
- PostgreSQL
- ElasticSearch
- Solr · Redis

Tools 🔧
- Linux (Kubuntu)
- Ansible
- Terraform
- IntelliJ · Docker
- Kubernetes

PROFILE

Senior Engineer with over 12 years of experience across various industries. I've delivered resilient back-end 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.

Sep 2018 –May 2019	**Senior Software Engineer** Jaguar Land Rover · Manchester 📍 **New Backend Services**: Designed and implemented the architecture for the Software over the Air (SOTA) platform, utilizing Java Spring Boot services hosted on Google Cloud Platform (GCP) and deployed via GitLab CI. **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.
July 2017 –April 2018	**Lead Developer** Shepper · London 📍
Oct 2015 –June 2017	**Software Engineer** Moo · London 📍
Sep 2012 –Oct 2015	**Graduate Software Engineer** BT · Glasgow 📍

Degrees

2011	**Computer Science** MSc · University of Dundee 🏛	
2009	**Biomedical Science** BSc Hons. · University of Dundee 🏛	

Languages

English	C2	native speaker
French	A2	● ○ ○ ○
Spanish	A2	● ○ ○ ○

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 parts.

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.