

CONOR SHEPPARD

Cloud-Native Java Services

BSc. Computer Applications & Software Engineering

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London, UK

Experienced Java engineer specialising in backend development; background in Fintech and building scalable microservices. Proficient in Spring, Hibernate, and PostgreSQL with expertise in Docker, Kubernetes, and database management.

EXPERIENCE

Consultant Software Engineer

Freelance, Bespoke Software Solutions

Sept 2023 - Present

London, UK. [Java, Kafka, Redis]

- Developed a Kafka-driven Depop listing event dispatcher for a London SME retailer using Spring Boot, Playwright & Postgres to track listing changes in real time, overcoming lack of public API & integrating across sales channels like Shopify, saving hours of manual work each week.
- Built a distributed audio downloader using Micronaut, Quarkus, Kafka, S3 & PostgreSQL capable of downloading 1k+ file playlists in seconds.
- Engineered custom HR system to streamline employee holiday tracking and management processes for London-based production company.
- Process automation, Google Apps Scripting, Agile web development, website migration, consulting, private SWE coaching/mentoring.

Multiverse

Senior Software Engineer, EdTech

Sept 2022 - Aug 2023

Baker Street, London, UK. [Elixir]

- Implemented an advanced knowledge management system within the main platform UI, eliminating reliance on spreadsheets for candidate profile documentation. This enhancement streamlined workflows, resulting in sector-wide time savings of hundreds of hours per month.
- Enhanced the core platform with improved UI/UX and leveraged Elixir/Phoenix to deliver real-time user experience with server-rendered HTML
- Leveraged experience with Docker to improve development experience across the organisation & embed containerisation as a core consideration in the company's engineering space.

Divido

Senior Software Engineer, Fintech

April 2017 - Aug 2022

Liverpool Street, London, UK. [Java, Go]

- Led a team of 5 developers to build a credit underwriting system and real-time decision engine with an SFTP loan origination module which facilitated over £128 million in activated finance.
- Successfully delivered several API integrations including credit bureau, loan origination and internal.
- Requirements gathering, client comms, project scoping, automated testing, 99.99% uptime, Agile development, Spring Boot, Hibernate, Java.

Doordeck

Java Developer, Smart Access Control

Oct 2016 - Mar 2017

Old Street, London, UK. [Java]

- Java backend development, Dropwizard, Immutables, Java 8 (Optional, Streams, Lambdas etc.), AWS EC2, Cassandra, Git.
- Mobile development with the Ionic framework. • Working with BLE and proximity devices (iBeacons, Eddystone).

Openwave Messaging

Java Developer, Mobile Data Services

Apr 2015 - Sept 2015

Simmons Court House, Dublin, IE. [Java]

- Successfully delivered a custom XML-to-SQL parser, written in Java. • Executed load balancer migrations via SSH.
- Contributed effectively both independently and collaboratively.

EDUCATION

Dublin City University

BSc. in Computer Applications & Software Engineering

Sept 2012 - Jun 2016

Dublin, Republic of Ireland.

- Grade: 2.1. Development (Java, C/C++), assembly, concurrency, OS, fundamental disciplines of CS (DS&A, OOAD, SOLID, ACID, Clean Code, memory management, Big O time complexity analysis), networks, security, compilers, testing, cryptography.

SKILLS

- **Languages:** Java, Go, Elixir, SQL, Bash, JavaScript, HTML, CSS. (Prior experience: C, C++, PHP).
- **Technologies:** Spring Boot, Micronaut, Quarkus, Redis, Apache Kafka, Docker, Kubernetes, EKS, React, JUnit, Hibernate, Linux, REST, GitHub Actions, XML/JSON, Asana, AWS, EC2, S3, MySQL, PostgreSQL, linting (Jacoco, Checkstyle).

PROJECTS

YouTube Chanalyzer: Kubernetes-deployed React/Spring Boot web scraper & analytics tool that uses a reactive programming model and server-sent events to graph video analytics for YouTube channels.

youtube-chanalyzer.com
github.com/conorsheppard/yt-chanalyzer

YouTube Audio Micronaut: Java Micronaut application built for distributed audio extraction and download of YouTube videos, GraalVM Native Image support & containerised microservice development.

github.com/conorsheppard/youtube-audio-micronaut

Micronaut Credit Checker: Cutting-edge cloud-native Micronaut app, optimised for GraalVM native image, leveraging Redis for caching; demonstrating best practices in API design & software design patterns.

github.com/conorsheppard/credit-check-micronaut-redis