

JOB TITLE: Software Developer, Language Binding Developer

STATUS: Regular / Full-Time / Exempt

LOCATION: Cambridge, UK

About this role:

At Swim, we're on a mission to reinvent the modern application stack for the streaming era. Come join our diverse team of fearless creators working together to design the world's most challenging streaming applications.

In this **Software Developer, Language Binding Developer** role at SWIM.AI, we are looking for a talented developer to provide bindings for existing Java APIs and for other languages using the Graal Polyglot API. You will be part of a skilled engineering team working on a core feature of the Swim platform. We are plan to support multiple language bindings for our APIs using GraalVM(<https://www.graalvm.org>).

Swim is a self-contained, distributed application stack in an embeddable software library. Our applications communicate using their own protocol, called WARP, which multiplexes bidirectional streams between large numbers of URIs over a single WebSocket connection.

Swim is comprised of two high level components:

1. Swim Java Server: A self-contained, distributed application server for stateful, streaming applications
2. Swim Client: A minimal WARP streaming API client

A developer focused introduction to Swim can be found at <https://swim.dev>. The swim platform is open source, under the Apache license, and the source can be found by following the link.

Key Qualifications:

- Extremely proficient in a JVM based language: Java/Scala/Clojure etc.
- Strong knowledge of computer science fundamentals
- In depth understanding of the JVM
- Experience of Javascript and Node.js
- Excellent verbal and written skills
- Able to work collaboratively as part of a team

Desirable:

- Experience with Clang/LLVM
- Have a general interest in programming language and API design
- Familiar with a modern source control system, preferably Git
- Experience of structured software development (e.g. issue tracking, continuous integration, etc.)
- You ideally will have worked on a complex, multi-language project.

Education/Experience

- College or University degree in Computer Science or equivalent experience
- 4 years of software development experience

SWIM is an Equal Opportunity / Affirmative Action / E-Verify employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability or protected veteran status.