Our company is growing rapidly and is looking to fill the role of software performance engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for software performance engineer

- Design, build and deploy software systems that run 24/7 at great and increasing scale
- Incorporate industry best practices into all aspects of the software development and product lifecycle
- Participate in design discussions and planning with Development
- Define measures of performance that are meaningful to customers, developers, and sales and support personnel
- Define and execute upon an efficient and cost effective strategy for performance testing at large scale
- Develop a framework for testing including tools and methods that other engineering teams can leverage for their components to easily identify and characterize performance issues
- Work cross-functionally, develop strong partnerships, and communicate proactively with stakeholders
- Write comprehensive performance test plans for load testing, stress testing, soak testing, and scalability testing
- Definition of scales of measure of performance in a complex system
- Working as part of a self-organising team, and providing daily updates of own work, within an agile framework

Qualifications for software performance engineer

- Pairing with and mentoring other developers to share knowledge and practices
- Industry experience of architecting and developing high throughput (10s of Gbps per server), high concurrency (1000s of requests per second) Internet applications from inception to production
- A strong command of the HTTP specification
- Demonstrable experience tuning Internet applications on Linux to improve concurrency and throughput
- Code-level experience with the TCP/IP stack and Internet protocols