john**gillott**
programmer

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languages
English

programming
Adept:
Go, SQL, TypeScript

Proficient:
Docker, Kubernetes,
Git, HTML, CSS, Bash

Learning:
Rust

Forgotten:
Java, C++, Python

profile

A highly passionate software engineer specialized in Go (Golang) and TypeScript, with experience in writing low-latency, highly available and scalable microservices for staffing and finance domain, and sports betting industry. I enjoy the dynamic of working in a progressive environment and knowing that my work directly affects the direction and success of the business. I have experience of working autonomously; however I recognize the greater value of both teamwork and collaboration.

employment

2019 ...   **bet365**   Manchester, UK
Software Engineer
Since May 2019, I am a member of the Sports Development team responsible for delivery of real time content across desktop and mobile client products, to the processing and settlement of transactions driven from that content.
- Co-authored a high performance XML encoder package in Go.
- Developed reusable UI components for Web and Mobile using TDD practices, written in a custom TypeScript framework.
- Migrated monolithic services written in #C into low-latency, highly available and scalable Go microservices.

Golang, TypeScript, Docker, ELK Stack

2017 – 2019 **GRI UK**   Knutsford, UK
Graduate Software Engineer, Software Engineer
Since March 2017, I was in the team that developes services for the fulfillment and invoicing of workforce for both public and private sectors through the UK. Working as a part of a small team on B2B software using Angular and Go.
- Developed scalable, RESTful microservices and internal packages in Go with support for JSON Web Tokens, AWS services.
- Refactored and redesigned an algorithm for processing candidates' work history to calculate candidates' Permanent Equivalent Rate status, with respect to Agency Worker Regulations, for tens of thousands of candidates on a weekly basis.
- Influenced the system design and contributed to the technical architecture of core systems including migrating databases from Amazon Relational Database Service to Amazon Aurora, and containerized microservices to Functions as a Service in AWS.

Golang, Angular, AWS, Docker, Lambda, MySQL, Python, Jenkins, ELK Stack

2016 – 2017 **University of Leicester, Department of Mathematics**   Leicester, UK
Software Engineer (part time)
Responsible for eliciting and managing client requirements to design, development and delivery of a trading simulator platform for undergraduate actuarial science students.

- Sourced and analyzed client requirements to create technical deliverables.
- Provided Java EE, Spring MVC, and Hibernate ORM expertize to team members.
- Worked in a small team with a project manager and other software engineers to deliver features using Agile practices.

Java EE, Spring MVC, Hibernate ORM, MySQL, JavaScript/ES6, MySQL, jQuery

education

2011 – 2016 **MComp** Computer Science**, 2:1**   University of Leicester
Final year project: An android application to detect and automatically skip over advertisements in digital audio media such as podcasts. Included courses on: Advanced C++ Programming; Service-Oriented Architectures; Advanced Web Technologies; Internet and Cloud Computing.
Third year project: A system to record the attendance of university students using smart card technology to perform identity verification, and a web portal for department staff members to manage smart cards and monitor class attendance. Included courses on: Databases and Web Applications; Operating Systems, Networks, and Distributed Systems; Cryptography and Internet Security.

recommendations

May 2019   **Ryan Gough**   Head of Engineering at GRI UK, Oct 2017 ...
John is an excellent software developer who I was lucky enough to work with for just under 2 years at GRI. He lead the development effort on some complex pieces of work and did a great job. He helped push through improvements to working practices and was generally a fantastic team member. John would be a great asset for any software development team.

Jan 2019   **Justin Taylor**   Head of Engineering at GRI UK, Sep 2015 – Oct 2017
I hired John through our graduate programme, through which he showed immediate promise and his infectious enthusiasm. He is diligent, genial and as effective on a solo project as he is in an agile team. I am proud that he chose our company as his first opportunity to excel in a commercial environment and firmly believe that he'd be an asset to any software engineering team.

interests

personal: Running, Scuba Diving, and Video Games
professional: Static Analysis Tools, Community-driven Developer Meetups, and Go