John Gillott | Software Engineer

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PROFILE

A highly passionate software engineer specialised in Go (golang), with experience in writing distributed systems/microservices for financial & invoicing domain. Seeking a career in the financial services sector, with an keen desire to be exposed to leading edge technologies.

EMPLOYMENT

de Poel   **Knutsford, Cheshire**

Graduate Software Engineer – Go/Angular   *March 2017 - Present*

- Developed scalable, RESTful microservices including share packages, and a bespoke API gateway web service to communicate with mobile and desktop clients.
- Shared ownership of system architecture, infrastructure, continuous integration, testing & development
- Written procedures in MySQL to perform complex financial calculations and ETLs to migrate noisy data from a legacy service, sanitise, transform, and insert into a new schema

Tech: Go, Python JavaScript, MySQL, Docker, Kubernetes, Amazon Web Services, Kibana (ELK), Jenkins

University of Leicester – Department of Mathematics   **Leicester, Leicestershire**

Software Developer – Java (part-time)   *September 2016 – January 2017*

- Developed an internal teaching tool for trading stocks for actuarial science students in Bootstrap with a Java driven REST API and Bootstrap frontend
- Translated small behaviour requirements into user stories and code
- Produced new features using the best practices of behaviour and test-driven development

Tech: Java, Hibernate, Spring 4, HTML, CSS, AJAX, MySQL

EDUCATION

University of Leicester   **Leicester, Leicestershire**

Computer Science MComp   *September 2011 – June 2016*

Second Class Honours, Upper Division (2:1)

Dissertation: A web application to monitor student attendance at university, using smart cards and asymmetric cryptography to verify students identify in attendance and securely manage keys via an online administration system.

Module Results:
- 77% - Financial Services and Information Systems
- 64% - Web Technologies
- 71% - Service-Oriented Architectures
- 70% - Internet and Cloud Computing
- 73% - Discrete Structures
- 74% - Operating Systems, Networks and Distributed Systems
- 71% - Semantic Web
- 76% - Computer Systems
- 66% - Databases and Web Applications
- 68% - Advanced C++ Programming
- 77% - Software Project Management and Professionalism
- 72% - Data Structure and Development Environments

SKILLS

I wish to covey two fundamental things about myself; I'm very passionate about programming and the openness of the web, & I love getting the chance to learn and thrive on experiencing new things.

I have a diverse set of skills and expertise in both frontend and backend development, best described as a full-stack engineer. I do lean towards backend development, with a strong background in distributed systems, microservices, REST API design & development and software engineering best practices.

Languages

- Go (golang)
- SQL
- Java
- C/C++
- Python
- Bash/Shell
- HTML
- CSS

Tools/Services

- Unix/Linux
- Amazon Web Services
- Docker/Kubernetes
- Jenkins/Hudson
- Git
- Elasticsearch/Kibana

INTERESTS

Outside of work typically I unwind by cycling, cooking or very occasionally rekindling my adventurous pursuits such as river trekking, kayaking and scuba diving in which I'm a PADI qualified Advanced Open-Water Diver.

CONTACT

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REFERENCES

References available upon request.