

Shaun Taheri

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Polyglot software developer that treats code as a craft.

Skills

- Languages** Go, Python, Java, Julia, JavaScript, Ruby, Miranda, C, Scheme, Bash, SQL
- Design** Object-oriented, Functional Programming, Relational Databases, Microservices
- Software** Emacs, Vim, Git, Docker, Kafka, L^AT_EX, PostgreSQL, Elasticsearch, SAS
- Leadership** Team manager and mentor for junior developers.

Experience

2014 – 2015 **Senior Developer**, *OptioPay*, Berlin.

Design and implementation of a microservice-based architecture for a new FinTech startup.

- Microservices implemented in Go, with Apache Kafka used as a message broker and distributed database. An append-only event stream is used to Event Source entity data from epoch, providing fault-tolerant services that can partition workload and recover from failures in seconds.

2013 – 2014 **Senior Developer**, *LShift*, London.

Broad consulting experience utilising deep technical expertise applied over a range of client projects.

- Development of typesetting platform in Python and Ruby to automatically extract content and structure from Google Docs documents and present template formatted PDF output.
- Internal wiki and document crawler written in Go for distributed indexing and searching with Elasticsearch.
- Continuous Delivery through the introduction of Docker containers to streamline deployments and provide repeatability within the build process.

2010 – 2012 **Senior Analyst**, *Centrica plc.*, Edinburgh.

Led a team of four analysts within the Operations Team, with the aim of moving disparate desktop applications to a cohesive web-based platform.

- Implemented a RESTful web server using Node.js and JSON messaging through HTTP for an internal web portal supporting thousands of concurrent users. Reduction in complex business reporting turnaround time from days to minutes.

2008 – 2010 **Data Analyst**, *Centrica plc.*, Edinburgh.

Extensive SAS experience for efficient data analysis on terabyte scale datasets.

- Designed and implemented an automated relational database system that collates a wide range of data from external sources. Improvement over the previous system increased net revenue from £4m to £7m per annum.

Education

2012 – 2013 **MSc Computer Science**, *University College London*.

Java Programming (100%), Architecture and Hardware (90%), Systems Infrastructure (93%), Algorithmics (89%), Functional Programming (85%), Software Engineering (68%), Project (66%)

2005 – 2009 **MA Economics**, *University of Edinburgh*.

Final year dissertation on approximating optimal play in Texas Hold'em poker using Game Theory.